



June 7, 2005

SECOR International, Inc.  
3017 Kilgore Rd. Suite 100  
Rancho Cordova, CA 95670

ATTN: MR. RUSTY BENKOSKY  
  
SITE: BULK PLANT 0140  
255 STATE HIGHWAY 101 SOUTH  
CRESCENT CITY, CALIFORNIA  
  
RE: QUARTERLY MONITORING REPORT  
APRIL THROUGH JUNE 2005

This Quarterly Monitoring Report for Bulk Plant 0140 is being sent to you for your review and comment. If no comments are received by **June 14, 2005**, copies of this report will be sent to you for distribution.

Please send all comments to me at [dlee@trcsolutions.com](mailto:dlee@trcsolutions.com). If you have any questions regarding this report, please call me at (949) 727-7382.

Sincerely,

TRC

A handwritten signature in black ink that reads "Daniel Lee".

Daniel Lee  
QMS Technical Writer



June 7, 2005

ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

ATTN: MR. THOMAS KOSEL

SITE: BULK PLANT 0140  
255 STATE HIGHWAY 101 SOUTH  
CRESCENT CITY, CALIFORNIA

RE: QUARTERLY MONITORING REPORT  
APRIL THROUGH JUNE 2005

Dear Mr. Kosek:

Please find enclosed our Quarterly Monitoring Report for Bulk Plant 0140, located at 255 State Highway 101 South, Crescent City, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

A handwritten signature in black ink, appearing to read "Anju Farfan".

Anju Farfan  
QMS Operations Manager

CC: Mr. Rusty Benkosky, SECOR International, Inc. (6 copies)

Enclosures  
20-0400/0140R07.QMS





**QUARTERLY MONITORING REPORT  
APRIL THROUGH JUNE 2005**

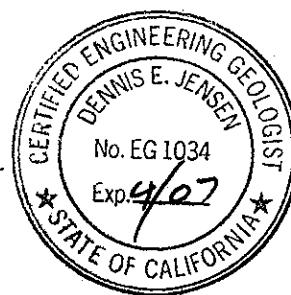
Bulk Plant 0140  
255 State Highway 101 South  
Crescent City, California

Prepared For:

Mr. Thomas Kosek  
ConocoPhillips Company  
76 Broadway  
Sacramento, CA 95818

By:

A handwritten signature in black ink that reads "Dennis E. Jensen".



Senior Project Geologist, Irvine Operations  
June 6, 2005

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	<p>Table Key</p> <p>Table 1: Current Fluid Levels and Selected Analytical Results</p> <p>Table 2: Historic Fluid Levels and Selected Analytical Results</p> <p>Table 3: Additional Analytical Results</p>
Coordinated Event Data	<p><i>Former Texaco Service Station Site#211307</i></p> <p>Table 1: Groundwater Monitoring Data and Analytical Results</p>
Figures	<p>Figure 1: Vicinity Map</p> <p>Figure 2: Groundwater Elevation Contour Map</p> <p>Figure 3: Dissolved-Phase TPH-G Concentration Map</p> <p>Figure 4: Dissolved-Phase Benzene Concentration Map</p> <p>Figure 5: Dissolved-Phase MTBE Concentration Map</p> <p>Figure 6: Dissolved-Phase TPH-D Concentration Map</p>
Graphs	<p>Groundwater Elevations vs. Time</p> <p>Benzene Concentrations vs. Time</p>
Field Activities	<p>General Field Procedures</p> <p>Groundwater Sampling Field Notes</p>
Laboratory Reports	<p>Official Laboratory Reports</p> <p>Quality Control Reports</p> <p>Chain of Custody Records</p>
Statements	<p>Purge Water Disposal</p> <p>Limitations</p>

**Summary of Gauging and Sampling Activities**  
**April 2005 through June 2005**  
**Bulk Plant 0140**  
**255 State Highway 101 South**  
**Crescent City, CA**

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Project Coordinator: **Thomas Kosek** Water Sampling Contractor: **TRC**  
Telephone: **916-558-7666** Compiled by: **Daniel Lee**

Date(s) of Gauging/Sampling Event: **05/02/05**

**Sample Points**

Groundwater wells: **6** onsite, **2** offsite Wells gauged: **8** Wells sampled: **8**

Purging method: **Diaphragm pump**

Purge water disposal: **Onyx/Rodeo Unit 100**

Other Sample Points: **3** Type: **STREAM**

**Liquid Phase Hydrocarbons (LPH)**

Wells with LPH: **0** Maximum thickness (feet): **n/a**

LPH removal frequency: **n/a** Method: **n/a**

Treatment or disposal of water/LPH: **n/a**

**Hydrogeologic Parameters**

Depth to groundwater (below TOC): Minimum: **2.84 feet** Maximum: **5 feet**

Average groundwater elevation (relative to available local datum): **3.73 feet**

Average change in groundwater elevation since previous event: **-0.48 feet**

Interpreted groundwater gradient and flow direction:

Current event: **0.005 ft/ft, west**

Previous event: **0.006 ft/ft, northwest (01/31/05)**

**Selected Laboratory Results**

Wells with detected **Benzene**: **1** Wells above MCL (1.0 µg/l): **0**  
Maximum reported benzene concentration: **0.94 µg/l (MW-3)**

Wells with **TPH-G**: **1** Maximum: **85 µg/l (MW-2)**

Wells with **MTBE**: **2** Maximum: **1.1 µg/l (MW-6)**

**Notes:**

EC-1=Stream sample, EC-2=Stream sample, EC-4=Steam sample,

## TABLES

## TABLE KEY

### STANDARD ABBREVIATIONS

-	= not analyzed, measured, or collected
LPH	= liquid-phase hydrocarbons
Trace	= less than 0.01 foot of LPH in well
$\mu\text{g/l}$	= micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	= milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	= not detected at or above laboratory detection limit
TOC	= top of casing (surveyed reference elevation)

### ANALYTES

BTEX	= benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	= di-isopropyl ether
ETBE	= ethyl tertiary butyl ether
MTBE	= methyl tertiary butyl ether
PCB	= polychlorinated biphenyls
PCE	= tetrachloroethene
TBA	= tertiary butyl alcohol
TCA	= trichloroethane
TCE	= trichloroethene
TPH-G	= total petroleum hydrocarbons with gasoline distinction
TPH-D	= total petroleum hydrocarbons with diesel distinction
TPPH	= total purgeable petroleum hydrocarbons
TRPH	= total recoverable petroleum hydrocarbons
TAME	= tertiary amyl methyl ether
1,1-DCA	= 1,1-dichloroethane
1,2-DCA	= 1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	= 1,1-dichloroethene
1,2-DCE	= 1,2-dichloroethene (cis- and trans-)

### NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation - Measured Depth to Water + (D<sub>p</sub> x LPH Thickness), where D<sub>p</sub> is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

### REFERENCE

TRC began groundwater monitoring and sampling for Former Bulk Plant 0140 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

**Table 1**  
**CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**May 2, 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
EC-1 05/02/05	--	--	--	--	--	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	Stream sample
EC-2 05/02/05	--	--	--	--	--	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	Stream sample
EC-4 05/02/05	--	--	--	--	--	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	Steam sample
MW-1 05/02/05	7.57	3.65	0.00	3.92	-0.25	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-2 05/02/05	7.62	4.30	0.00	3.32	-0.55	85	320	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-3 05/02/05	7.20	2.84	0.00	4.36	-0.53	ND<50	840	0.94	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-4 05/02/05	8.50	4.43	0.00	4.07	-0.65	ND<50	900	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-5 05/02/05	8.70	4.81	0.00	3.89	-0.63	ND<50	620	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-6 05/02/05	7.98	4.36	0.00	3.62	-0.55	ND<50	580	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.1	
MW-7 05/02/05	6.90	3.73	0.00	3.17	-0.41	ND<50	140	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	~ 0.54	
MW-8 05/02/05	8.53	5.00	0.00	3.53	-0.24	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
03/27/91	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
07/09/91	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/21/91	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
01/24/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
04/23/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
07/23/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/28/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
01/19/93	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
04/20/93	-	-	-	-	-	ND	280	3	ND	ND	ND	ND	ND	-
07/28/93	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/18/93	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
01/25/94	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
04/27/94	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
07/25/94	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/21/94	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
01/25/95	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
04/26/95	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/23/95	-	-	-	-	-	ND	100	ND	ND	ND	ND	ND	ND	-
04/24/96	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/22/96	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
04/21/97	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/21/97	-	-	-	-	-	ND	83	ND	ND	ND	ND	ND	ND	-
04/23/98	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/19/98	-	-	-	-	-	ND	84	ND	ND	ND	ND	ND	ND	-

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**

**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>EC-1 continued</b>														
05/18/99	-	-	-	-	-	ND	ND	ND	ND	ND	ND	-	-	-
11/23/99	-	-	-	-	-	ND	160	ND	ND	ND	ND	-	-	-
05/09/00	-	-	-	-	-	ND	ND	ND	ND	ND	ND	-	-	-
11/09/00	-	-	-	-	-	ND	93.4	ND	ND	ND	ND	-	-	-
02/07/01	-	-	-	-	-	-	-	-	-	-	-	-	-	ND
05/08/01	-	-	-	-	-	ND	ND	ND	ND	ND	ND	-	-	ND
11/28/01	-	-	-	-	-	ND<50	93	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	0.96
05/08/02	-	-	-	-	-	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<2.0
11/13/02	-	-	-	-	-	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	-	ND<2.0
05/15/03	-	-	-	-	-	ND<50	ND<63	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	-	ND<2.0
11/19/03	-	-	-	-	-	ND<50	61	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<2.0
05/05/04	-	-	-	-	-	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<0.50
08/02/04	-	-	-	-	-	120	ND<200	ND<0.3	ND<0.3	ND<0.3	ND<0.6	-	-	ND<0.5
11/08/04	-	-	-	-	-	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<0.50
01/31/05	-	-	-	-	-	ND<50	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<0.50
05/02/05	-	-	-	-	-	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	-	ND<0.50
<b>EC-2</b>														
03/27/91	-	-	-	-	-	ND	ND	ND	ND	ND	ND	-	-	-
07/09/91	-	-	-	-	-	ND	ND	ND	ND	ND	ND	-	-	-
10/21/91	-	-	-	-	-	ND	ND	ND	ND	ND	ND	-	-	-
01/24/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	-	-	-
04/23/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	-	-	-
07/23/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	-	-	-
10/28/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	-	-	-

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**

**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G	TPH-D	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE 8021B	MTBE 8260B	Comments
01/19/93	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
04/20/93	--	--	--	--	--	ND	ND	220	ND	ND	ND	ND	ND	--
07/28/93	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
10/18/93	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
01/25/94	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
04/27/94	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
07/25/94	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
10/21/94	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
01/25/95	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
04/26/95	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
10/23/95	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
04/24/96	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
10/22/96	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
04/21/97	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
10/21/97	--	--	--	--	--	ND	ND	76	ND	ND	ND	ND	ND	--
04/23/98	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
10/19/98	--	--	--	--	--	ND	ND	52	ND	ND	ND	ND	ND	--
05/18/99	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
11/23/99	--	--	--	--	--	ND	ND	50	ND	ND	ND	ND	ND	--
05/09/00	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
11/09/00	--	--	--	--	--	ND	95.3	ND	ND	ND	ND	ND	ND	--
02/07/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
05/08/01	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
11/28/01	--	--	ND<50	150	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G	TPH-D	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE 8021B	MTBE 8260B	Comments
BC-2 continued														
05/08/02	"	"	"	"	"	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
11/13/02	"	"	"	"	"	ND<50	85	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0
05/15/03	"	"	"	"	"	ND<50	ND<63	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0
11/19/03	"	"	"	"	"	ND<50	98	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	Stream Sample
05/05/04	"	"	"	"	"	ND<50	63	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	Stream sample
08/02/04	"	"	"	"	"	120	ND<200	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<0.6	Creek Sample
11/08/04	"	"	"	"	"	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	creek sample
01/31/05	"	"	"	"	"	ND<50	65	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	Stream sample
05/02/05	"	"	"	"	"	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	Stream sample
EC-3														
03/27/91	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
07/09/91	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/21/91	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
01/24/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
04/23/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
07/23/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/28/92	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
01/19/93	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
04/20/93	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
07/28/93	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/18/93	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
01/25/94	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
04/27/94	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
07/25/94	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>EC-3 continued</b>														
10/21/94	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
01/25/95	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
04/26/95	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/23/95	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
04/24/96	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/22/96	-	-	-	-	-	ND	240	ND	ND	ND	ND	ND	ND	-
04/21/97	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/21/97	-	-	-	-	-	ND	100	ND	ND	ND	ND	ND	ND	-
04/23/98	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
10/19/98	-	-	-	-	-	ND	82	ND	ND	ND	ND	ND	ND	-
05/18/99	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
11/23/99	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
05/09/00	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
11/09/00	-	-	-	-	-	ND	99.1	ND	ND	ND	ND	ND	ND	-
02/07/01	-	-	-	-	-	-	-	-	-	-	-	-	-	Sampling discontinued
<b>EC-4</b>														
05/08/01	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND	ND	-
11/28/01	-	-	-	-	-	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	-
05/08/02	-	-	-	-	-	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	-
11/13/02	-	-	-	-	-	ND<50	57	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0
05/15/03	-	-	-	-	-	ND<50	ND<63	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	-
11/19/03	-	-	-	-	-	ND<50	64	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	-
05/05/04	-	-	-	-	-	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	Stream Sample
08/02/04	-	-	-	-	-	ND<50	ND<200	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<0.6	ND<0.5	Stream sample Creek Sample

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G	TPH-D	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE 8021B	MTBE 8260B	Comments
EC-4 continued														
11/08/04	--	--	--	--	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	--	ND<0.50 creek sample
01/31/05	--	--	--	--	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	--	ND<0.50 Stream sample
05/02/05	--	--	--	--	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	--	ND<0.50 Steam sample
<b>MW-1</b>														
03/27/91	7.57	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
07/09/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
10/21/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
01/24/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
04/23/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
07/23/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
10/28/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
01/19/93	7.57	3.16	0.00	4.41	--	ND	ND	ND	ND	ND	ND	--	--	--
04/20/93	7.57	3.16	0.00	4.41	0.00	ND	ND	ND	ND	ND	ND	--	--	--
07/28/93	7.57	4.18	0.00	3.39	-1.02	ND	ND	ND	ND	ND	ND	--	--	--
10/18/93	7.57	4.28	0.00	3.29	-0.10	ND	ND	ND	ND	ND	ND	--	--	--
01/25/94	7.57	2.50	0.00	5.07	1.78	ND	ND	0.5	ND	ND	ND	1.1	--	--
04/27/94	7.57	3.45	0.00	4.12	-0.95	ND	ND	ND	ND	ND	ND	--	--	--
07/25/94	7.57	4.50	0.00	3.07	-1.05	ND	ND	ND	ND	ND	ND	--	--	--
10/21/94	7.57	4.84	0.00	2.73	-0.34	ND	ND	ND	ND	ND	ND	0.74	--	--
01/25/95	7.57	3.06	0.00	4.51	1.78	ND	ND	ND	ND	ND	ND	--	--	--
04/26/95	7.57	3.50	0.00	4.07	-0.44	ND	ND	ND	ND	ND	ND	--	--	--
10/23/95	7.57	4.62	0.00	2.95	-1.12	ND	ND	ND	ND	ND	ND	--	--	--
04/24/96	7.57	2.49	0.00	5.08	2.13	190	ND	ND	ND	ND	ND	--	--	--
10/22/96	7.57	4.02	0.00	3.55	-1.53	ND	ND	ND	ND	ND	ND	--	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**

**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-1 continued</b>														
04/21/97	7.57	3.49	0.00	4.08	0.53	ND	ND	ND	ND	ND	ND	ND	ND	--
10/21/97	7.57	4.05	0.00	3.52	-0.56	ND	75	ND	ND	ND	ND	ND	ND	--
04/23/98	7.57	3.69	0.00	3.88	0.36	ND	ND	ND	ND	ND	ND	ND	ND	--
10/19/98	7.57	3.91	0.00	3.66	-0.22	ND	ND	ND	ND	ND	ND	ND	ND	--
05/18/99	7.57	3.64	0.00	3.93	0.27	ND	ND	ND	ND	ND	ND	ND	ND	--
11/23/99	7.57	3.42	0.00	4.15	0.22	ND	ND	ND	ND	ND	ND	ND	ND	--
05/09/00	7.57	3.52	0.00	4.05	-0.10	ND	ND	ND	ND	ND	ND	ND	ND	--
11/09/00	7.57	3.93	0.00	3.64	--	ND	ND	ND	ND	ND	ND	ND	ND	--
02/07/01	7.57	3.78	0.00	3.79	0.15	--	--	--	--	--	--	--	--	ND
05/08/01	7.57	4.10	0.00	3.47	-0.32	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/28/01	7.57	2.93	0.00	4.64	1.17	ND<50	75	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
05/08/02	7.57	4.10	0.00	3.47	-1.17	ND<50	260	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
11/13/02	7.57	3.55	0.00	4.02	0.55	ND<50	57	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
05/15/03	7.57	3.60	0.00	3.97	-0.05	ND<50	ND<63	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
11/19/03	7.57	3.80	0.00	3.77	-0.20	ND<50	54	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
05/05/04	7.57	3.81	0.00	3.76	-0.01	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
08/02/04	7.57	3.13	--	4.44	0.68	ND<50	ND<200	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<0.5	--
11/08/04	7.57	3.80	0.00	3.77	-0.67	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/31/05	7.57	3.40	0.00	4.17	0.40	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
05/02/05	7.57	3.65	0.00	3.92	-0.25	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
<b>MW-2</b>														
03/27/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	1.3	--	--
07/09/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
10/21/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-2 continued</b>														
01/24/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
04/23/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	0.6	--	--
07/23/92	--	--	--	--	--	7300	440000	ND	ND	3.5	10	--	--	--
10/28/92	--	--	--	--	--	ND	180	ND	ND	ND	2	--	--	--
01/19/93	7.62	3.36	0.00	4.26	--	230	ND	ND	ND	ND	ND	--	--	--
04/20/93	7.62	3.42	0.10	4.27	0.01	--	--	--	--	--	--	--	--	--
07/28/93	7.62	4.65	0.34	3.22	-1.05	--	--	--	--	--	--	--	--	--
10/18/93	7.62	4.54	0.18	3.21	-0.01	--	--	--	--	--	--	--	--	--
01/25/94	7.62	2.57	--	5.05	1.84	--	--	--	--	--	--	--	--	--
04/27/94	7.62	3.65	0.00	3.97	-1.08	590	1600	ND	ND	ND	ND	1.5	--	--
07/25/94	7.62	4.83	0.21	2.95	-1.02	--	--	--	--	--	--	--	--	--
10/21/94	7.62	5.00	0.07	2.67	-0.28	--	--	--	--	--	--	--	--	--
01/25/95	7.62	3.28	0.00	4.34	1.67	110	650	ND	ND	ND	ND	--	--	--
04/26/95	7.62	3.77	0.00	3.85	-0.49	820	8100	ND	ND	ND	ND	--	--	--
10/23/95	7.62	4.94	0.23	2.85	-1.00	--	--	--	--	--	--	--	--	--
04/24/96	7.62	2.51	0.00	5.11	2.26	880	77000	ND	ND	ND	ND	--	--	--
10/22/96	7.62	4.42	0.00	3.20	-1.91	21000	1400000	ND	ND	ND	ND	--	--	--
04/21/97	7.62	3.58	0.00	4.04	0.84	500	9100	ND	ND	ND	ND	--	--	--
10/21/97	7.62	4.29	0.00	3.33	-0.71	75	1700	ND	ND	ND	ND	--	--	--
04/23/98	7.62	3.91	0.00	3.71	0.38	52	560	ND	ND	ND	ND	ND	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-2 continued</b>														
10/19/98	7.62	4.13	0.02	3.50	-0.20	83000	650000	ND	ND	ND	ND	ND	ND	--
05/18/99	7.62	3.80	0.00	3.82	0.32	320	110	ND	ND	ND	ND	ND	ND	Sheen
11/23/99	7.62	3.60	0.00	4.02	0.20	2500	23000	ND	ND	ND	ND	ND	ND	--
05/09/00	7.62	3.69	0.00	3.93	-0.09	540	8900	0.55	ND	ND	ND	ND	ND	--
11/09/00	7.62	4.13	0.00	3.49	--	140000	23500	ND	ND	ND	ND	ND	ND	--
02/07/01	7.62	4.02	0.00	3.60	0.11	--	--	--	--	--	--	--	--	ND
05/08/01	7.62	4.27	0.00	3.35	-0.25	350	700	ND	ND	ND	ND	ND	ND	ND
11/28/01	7.62	3.09	0.00	4.53	1.18	240	4200	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND	ND	1.1
05/08/02	7.62	4.34	0.00	3.28	-1.25	710	2500	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND	ND	ND<2.0
11/13/02	7.62	3.73	0.00	3.89	0.61	ND<50	3700	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND	ND	ND<2.0
05/15/03	7.62	3.90	0.00	3.72	-0.17	ND<50	1500	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND	ND	ND<2.0
11/19/03	7.62	3.99	0.03	3.65	-0.07	--	--	--	--	--	--	--	--	--
05/05/04	7.62	4.11	0.01	3.52	-0.14	--	--	--	--	--	--	--	--	--
08/02/04	7.62	3.49	0.01	4.14	0.62	--	--	--	--	--	--	--	--	--
11/08/04	7.62	4.15	0.00	3.47	-0.67	54	330	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND	ND	3.8
01/31/05	7.62	3.75	0.00	3.87	0.40	54	170	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND	ND	ND<0.50
05/02/05	7.62	4.30	0.00	3.32	-0.55	85	320	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND	ND	ND<0.50
<b>MW-3</b>														
03/27/91	--	--	--	--	--	310	ND	1	ND	ND	ND	0.8	--	--
07/09/91	--	--	--	--	--	ND	470	ND	ND	ND	ND	--	--	--
10/21/91	--	--	--	--	--	3000	ND	10	47	30	120	--	--	--
01/24/92	--	--	--	--	--	730	650	3.8	ND	ND	ND	0.9	--	--
04/23/92	--	--	--	--	--	ND	ND	1.5	ND	ND	ND	--	--	--
07/23/92	--	--	--	--	--	2000	1500	4	1.3	ND	ND	1.7	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**

**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-3 continued</b>														
10/28/92	--	--	--	--	--	130	ND	1.5	ND	ND	0.62	--	--	--
01/19/93	7.20	2.28	0.00	4.92	--	610	130	1	ND	ND	ND	--	--	--
04/20/93	7.20	2.40	0.00	4.80	-0.12	460	1200	ND	ND	ND	ND	--	--	--
07/28/93	7.20	3.43	0.00	3.77	-1.03	--	--	--	--	--	--	--	--	--
10/18/93	7.20	3.80	0.00	3.40	-0.37	260	1200	4.3	0.57	ND	1.2	--	--	--
01/25/94	7.20	1.72	0.00	5.48	2.08	170	670	2.7	0.5	0.61	1.8	--	--	--
04/27/94	7.20	2.65	0.00	4.55	-0.93	180	1100	2.9	ND	0.61	ND	--	--	--
07/25/94	7.20	4.02	0.00	3.18	-1.37	220	770	5	1.1	0.82	2	--	--	--
10/21/94	7.20	4.38	0.00	2.82	-0.36	200	640	3.4	0.97	0.51	1.5	--	--	--
01/25/95	7.20	2.10	0.00	5.10	2.28	110	590	1.4	ND	ND	ND	--	--	--
04/26/95	7.20	2.62	0.00	4.58	-0.52	170	870	2.7	0.68	ND	1.3	--	--	--
10/23/95	7.20	4.09	0.00	3.11	-1.47	160	1400	2.8	0.66	0.57	1	--	--	--
04/24/96	7.20	1.15	0.00	6.05	2.94	310	2000	ND	ND	ND	ND	--	--	--
10/22/96	7.20	3.36	0.00	3.84	-2.21	160	1400	1.8	ND	ND	0.56	--	--	--
04/21/97	7.20	2.53	0.00	4.67	0.83	210	1700	1.5	ND	ND	ND	--	--	--
10/21/97	7.20	3.34	0.00	3.86	-0.81	110	1200	1.9	ND	ND	1.2	--	--	--
04/23/98	7.20	2.72	0.00	4.48	0.62	ND	1300	1.4	ND	ND	ND	ND	--	--
10/19/98	7.20	3.04	0.00	4.16	-0.32	330	1700	1.8	0.56	ND	ND	--	--	--
05/18/99	7.20	3.62	0.00	3.58	-0.58	ND	230	ND	ND	ND	ND	--	--	--
11/23/99	7.20	2.52	0.00	4.68	1.10	ND	490	ND	ND	ND	ND	--	--	--
05/09/00	7.20	2.54	0.00	4.66	-0.02	62	880	1.1	ND	ND	ND	--	--	--
11/09/00	7.20	3.01	0.00	4.19	--	110	1790	ND	ND	ND	ND	--	--	--
02/07/01	7.20	2.93	0.00	4.27	0.08	--	--	--	--	--	--	--	--	--
05/08/01	7.20	3.35	0.00	3.85	-0.42	130	320	2.7	0.95	ND	0.75	--	--	ND

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-3 continued</b>														
11/28/01	7.20	2.18	0.00	5.02	1.17	ND<50	170	ND<50	ND<50	ND<50	ND<50	--	ND<50	Inaccessible
05/08/02	7.20	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
11/13/02	7.20	--	--	--	--	--	--	--	--	--	--	--	--	
05/15/03	7.20	2.75	0.00	4.45	--	ND<50	900	ND<50	ND<50	ND<50	ND<50	--	ND<2.0	
11/19/03	7.20	3.01	0.00	4.19	-0.26	80	490	0.85	ND<50	ND<50	ND<50	--	ND<2.0	
05/05/04	7.20	3.01	0.00	4.19	0.00	ND<50	62	ND<50	ND<50	ND<50	ND<50	--	ND<0.50	
08/02/04	7.20	2.41	--	4.79	0.60	75	ND<200	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<0.5	
11/08/04	7.20	3.02	0.00	4.18	-0.61	75	120	0.74	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/31/05	7.20	2.31	0.00	4.89	0.71	ND<50	52	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
05/02/05	7.20	2.84	0.00	4.36	-0.53	ND<50	840	0.94	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>MW-4</b>														
03/27/91	--	--	--	--	--	140	2100	ND	ND	0.7	2.6	--	--	
07/09/91	--	--	--	--	--	ND	ND	0.8	2.7	0.6	2.07	--	--	
10/21/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	
01/24/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	
04/23/92	--	--	--	--	--	ND	12000	ND	ND	ND	ND	3.6	--	
07/23/92	--	--	--	--	--	260	730	ND	ND	ND	ND	--	--	
10/28/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	
01/19/93	8.50	3.61	0.00	4.89	--	69	840	ND	ND	ND	ND	--	--	
04/20/93	8.50	3.61	0.00	4.89	0.00	580	2500	ND	0.9	ND	6.1	--	--	
07/28/93	8.50	5.04	0.00	3.46	-1.43	ND	330	ND	ND	ND	ND	--	--	
10/18/93	8.50	5.17	0.00	3.33	-0.13	ND	190	ND	ND	ND	ND	--	--	
01/25/94	8.50	2.94	0.00	5.56	2.23	78	2200	ND	ND	ND	2.7	--	--	
04/27/94	8.50	4.00	0.00	4.50	-1.06	66	1300	ND	ND	ND	ND	--	--	

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**

**Bulk Plant 0140**

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G	TPH-D	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE 8021B	MTBE 8260B	Comments
<b>MW-4 continued</b>														
07/25/94	8.50	5.49	0.00	3.01	-1.49	ND	ND	150	ND	ND	ND	ND	ND	--
10/21/94	8.50	5.78	0.00	2.72	-0.29	ND	ND	210	ND	0.79	ND	ND	ND	--
01/25/95	8.50	3.43	0.00	5.07	2.35	62	2000	ND	ND	ND	ND	ND	ND	--
04/26/95	8.50	4.13	0.00	4.37	-0.70	100	2900	ND	ND	ND	3	--	--	--
10/23/95	8.50	5.52	0.00	2.98	-1.39	ND	ND	720	ND	ND	ND	ND	ND	--
04/24/96	8.50	2.68	0.00	5.82	2.84	110	4100	ND	ND	ND	ND	3.1	--	--
10/22/96	8.50	4.70	0.00	3.80	-2.02	ND	ND	520	ND	ND	ND	ND	ND	--
04/21/97	8.50	3.76	0.00	4.74	0.94	ND	ND	1200	ND	ND	ND	ND	ND	--
10/21/97	8.50	4.83	0.00	3.67	-1.07	ND	ND	700	ND	ND	ND	ND	ND	--
04/23/98	8.50	4.31	0.00	4.19	0.52	72	3800	ND	0.51	ND	1.1	ND	ND	--
10/19/98	8.50	4.53	0.00	3.97	-0.22	ND	ND	430	ND	ND	ND	ND	ND	--
05/18/99	8.50	4.08	0.00	4.42	0.45	ND	ND	980	ND	ND	ND	ND	ND	--
11/23/99	8.50	3.85	0.00	4.65	0.23	ND	ND	440	ND	ND	ND	ND	ND	--
05/09/00	8.50	3.90	0.00	4.60	-0.05	ND	ND	1100	ND	ND	ND	ND	ND	--
11/09/00	8.50	4.47	0.00	4.03	--	ND	ND	665	ND	ND	ND	ND	ND	--
02/07/01	8.50	4.45	0.00	4.05	0.02	--	--	--	--	--	--	--	--	ND
05/08/01	8.50	4.94	0.00	3.56	-0.49	ND	ND	98	ND	ND	ND	ND	ND	ND
11/28/01	8.50	3.19	0.00	5.31	1.75	ND<50	280	ND>0.50	ND>0.50	ND>0.50	ND>0.50	ND	ND	ND<0.50
05/08/02	8.50	4.95	0.00	3.55	-1.76	ND<50	2000	ND>0.50	ND>0.50	ND>0.50	ND>0.50	ND	ND	ND<2.0
11/13/02	8.50	4.11	0.00	4.39	0.84	ND<50	780	ND>0.50	ND>0.50	ND>0.50	ND>0.50	ND	ND	ND<2.0
05/15/03	8.50	4.31	0.00	4.19	-0.20	ND<50	1800	ND>0.50	ND>0.50	ND>0.50	ND>0.50	ND	ND	ND<2.0
11/19/03	8.50	4.37	0.00	4.13	-0.06	ND<50	120	ND>0.50	ND>0.50	ND>0.50	ND>0.50	ND	ND	ND<2.0
05/05/04	8.50	4.59	0.00	3.91	-0.22	ND<50	280	ND>0.50	ND>0.50	ND>0.50	ND>0.50	ND	ND	ND<0.50
08/02/04	8.50	3.99	--	4.51	0.60	ND<50	260	ND>0.3	ND>0.3	ND>0.3	ND>0.6	ND	ND	ND<0.5

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-4 continued</b>														
11/08/04	8.50	4.51	0.00	3.99	-0.52	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	-- ND<0.50
01/31/05	8.50	3.78	0.00	4.72	0.73	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	-- ND<0.50
05/02/05	8.50	4.43	0.00	4.07	-0.65	ND<50	ND<50	900	ND<50	ND<50	ND<50	ND<50	ND<50	-- ND<0.50
<b>MW-5</b>														
03/27/91	--	--	--	--	--	ND	410	ND	ND	ND	0.8	--	--	--
07/09/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
10/21/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
01/24/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
04/23/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
07/23/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
10/28/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
01/19/93	8.70	4.00	0.00	4.70	--	ND	ND	ND	ND	ND	ND	--	--	--
04/20/93	8.70	4.01	0.00	4.69	-0.01	ND	450	ND	ND	ND	ND	--	--	--
07/28/93	8.70	5.32	0.00	3.38	-1.31	ND	95	ND	ND	ND	ND	--	--	--
10/18/93	8.70	5.40	0.00	3.30	-0.08	ND	110	ND	ND	ND	ND	--	--	--
01/25/94	8.70	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	--
04/27/94	8.70	4.35	0.00	4.35	--	ND	370	ND	ND	ND	ND	--	--	--
07/25/94	8.70	5.70	0.00	3.00	-1.35	ND	150	ND	ND	ND	ND	--	--	--
10/21/94	8.70	6.00	0.00	2.70	-0.30	ND	160	ND	ND	ND	ND	--	--	--
01/25/95	8.70	3.84	0.00	4.86	2.16	ND	260	ND	ND	ND	ND	--	--	--
04/26/95	8.70	4.50	0.00	4.20	-0.66	ND	220	ND	ND	ND	ND	--	--	--
10/23/95	8.70	5.75	0.00	2.95	-1.25	ND	630	ND	ND	ND	ND	--	--	--
04/24/96	8.70	3.09	0.00	5.61	2.66	ND	930	ND	ND	ND	ND	--	--	--
10/22/96	8.70	5.01	0.00	3.69	-1.92	ND	1000	ND	ND	ND	ND	--	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**

**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-5 continued</b>														
04/21/97	8.70	4.17	0.00	4.53	0.84	ND	1200	ND	ND	ND	ND	ND	ND	--
10/21/97	8.70	5.17	0.00	3.53	-1.00	ND	1100	ND	ND	ND	ND	ND	ND	--
04/23/98	8.70	4.68	0.00	4.02	0.49	ND	1500	ND	ND	ND	ND	ND	ND	--
10/19/98	8.70	4.95	0.00	3.75	-0.27	ND	610	ND	ND	ND	ND	ND	ND	--
05/18/99	8.70	4.50	0.00	4.20	0.45	ND	790	ND	ND	ND	ND	ND	ND	--
11/23/99	8.70	4.25	0.00	4.45	0.25	ND	780	ND	ND	ND	ND	ND	ND	--
05/09/00	8.70	4.28	0.00	4.42	-0.03	ND	640	ND	ND	ND	ND	ND	ND	--
11/09/00	8.70	4.86	0.00	3.84	--	ND	--	ND	ND	ND	ND	ND	ND	--
02/07/01	8.70	4.84	0.00	3.86	0.02	--	--	--	--	--	--	--	--	ND
05/08/01	8.70	5.27	0.00	3.43	-0.43	ND	130	ND	ND	ND	ND	ND	ND	--
11/28/01	8.70	3.57	0.00	5.13	1.70	ND<50	790	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
05/08/02	8.70	5.27	0.00	3.43	-1.70	ND<50	1200	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
11/13/02	8.70	4.45	0.00	4.25	0.82	ND<50	350	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
05/15/03	8.70	4.66	0.00	4.04	-0.21	ND<50	630	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
05/05/04	8.70	4.90	0.00	3.80	-0.18	ND<50	100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0
08/02/04	8.70	3.69	--	5.01	1.21	ND<50	940	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<0.5	--
11/08/04	8.70	4.89	0.00	3.81	-1.20	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
01/31/05	8.70	4.18	0.00	4.52	0.71	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
05/02/05	8.70	4.81	0.00	3.89	-0.63	ND<50	620	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--
<b>MW-6</b>	--	--	--	--	--	150	320	9.6	0.5	0.8	1.2	--	--	--
03/27/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/09/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	--
10/21/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground- water Elevation (feet)	Change in Elevation (feet)	TPH-G ( $\mu\text{g/l}$ )	TPH-D ( $\mu\text{g/l}$ )	Benzene ( $\mu\text{g/l}$ )	Toluene ( $\mu\text{g/l}$ )	Ethyl- benzene ( $\mu\text{g/l}$ )	Total Xylenes ( $\mu\text{g/l}$ )	MTBE 8021B ( $\mu\text{g/l}$ )	MTBE 8260B ( $\mu\text{g/l}$ )	Comments
<b>MW-6 continued</b>														
01/24/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	--	--
04/23/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	--	--
07/23/92	--	--	--	--	--	390	150	ND	ND	ND	ND	ND	--	--
10/28/92	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	--	--
01/19/93	7.98	3.42	0.00	4.56	--	ND	ND	ND	2.3	ND	ND	ND	--	--
04/20/93	7.98	3.60	0.00	4.38	-0.18	ND	ND	ND	ND	ND	ND	ND	--	--
07/28/93	7.98	4.78	0.00	3.20	-1.18	ND	ND	200	ND	ND	ND	ND	--	--
10/18/93	7.98	4.77	0.00	3.21	0.01	ND	ND	230	ND	ND	ND	ND	--	--
01/25/94	7.98	2.74	0.00	5.24	2.03	ND	ND	160	ND	ND	ND	0.98	--	--
04/27/94	7.98	3.88	0.00	4.10	-1.14	ND	ND	120	ND	ND	ND	ND	--	--
07/25/94	7.98	5.05	0.00	2.93	-1.17	ND	ND	75	ND	ND	ND	ND	--	--
10/21/94	7.98	5.35	0.00	2.63	-0.30	ND	ND	140	ND	ND	ND	ND	--	--
01/25/95	7.98	3.43	0.00	4.55	1.92	ND	ND	160	ND	ND	ND	ND	--	--
04/26/95	7.98	4.05	0.00	3.93	-0.62	ND	ND	78	ND	ND	ND	ND	--	--
10/23/95	7.98	5.12	0.00	2.86	-1.07	ND	ND	750	ND	ND	ND	ND	--	--
04/24/96	7.98	2.60	0.00	5.38	2.52	ND	ND	760	ND	ND	ND	ND	--	--
10/22/96	7.98	4.46	0.00	3.52	-1.86	ND	ND	660	ND	ND	ND	ND	--	--
04/21/97	7.98	3.72	0.00	4.26	0.74	ND	ND	770	ND	ND	ND	ND	--	--
10/21/97	7.98	4.65	0.00	3.33	-0.93	ND	ND	830	ND	ND	ND	ND	--	--
04/23/98	7.98	4.22	0.00	3.76	0.43	ND	ND	1500	ND	ND	ND	ND	8.1	--
10/19/98	7.98	4.46	0.00	3.52	-0.24	ND	ND	590	ND	ND	ND	ND	--	--
05/18/99	7.98	4.06	0.00	3.92	0.40	ND	ND	920	ND	ND	ND	ND	--	--
11/23/99	7.98	3.85	0.00	4.13	0.21	ND	ND	720	ND	ND	ND	ND	--	--
05/09/00	7.98	3.89	0.00	4.09	-0.04	ND	ND	700	ND	ND	ND	ND	--	--

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-6 continued</b>														
11/09/00	7.98	4.43	0.00	3.55	--	ND	964	ND	ND	ND	ND	--	--	ND
02/07/01	7.98	4.35	0.00	3.63	0.08	--	--	--	--	--	--	--	--	ND
05/08/01	7.98	4.75	0.00	3.23	-0.40	ND	140	ND	ND	ND	ND	--	--	ND
11/28/01	7.98	3.17	0.00	4.81	1.58	ND<50	290	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<0.50
05/08/02	7.98	4.75	0.00	3.23	-1.58	ND<50	1600	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND>2.0
11/13/02	7.98	3.95	0.00	4.03	0.80	ND<50	420	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	ND<2.0
05/15/03	7.98	4.21	0.00	3.77	-0.26	ND<50	690	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND>2.0
11/19/03	7.98	4.26	0.00	3.72	-0.05	ND<50	290	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND>2.0
05/05/04	7.98	4.38	0.00	3.60	-0.12	ND<50	61	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<0.50
08/02/04	7.98	3.81	--	4.17	0.57	52	ND<200	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	--	ND<0.5
11/08/04	7.98	4.41	0.00	3.57	-0.60	ND<50	83	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<0.50
01/31/05	7.98	3.81	0.00	4.17	0.60	ND<50	69	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<0.50
05/02/05	7.98	4.36	0.00	3.62	-0.55	ND<50	580	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	1.1
<b>MW-7</b>														
06/02/00	6.90	--	--	--	--	80	150	ND	ND	ND	ND	--	--	--
11/09/00	6.90	3.78	0.00	3.12	--	ND	408	ND	ND	ND	ND	--	--	--
02/07/01	6.90	3.65	0.00	3.25	0.13	--	--	--	--	--	--	--	--	ND
05/08/01	6.90	3.97	0.00	2.93	-0.32	ND	66	ND	ND	ND	ND	--	--	ND
11/28/01	6.90	2.60	0.00	4.30	1.37	ND<50	280	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<0.50
05/08/02	6.90	3.94	0.00	2.96	-1.34	ND<50	390	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<2.0
11/13/02	6.90	3.31	0.00	3.59	0.63	ND<50	87	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	ND<2.0
05/15/03	6.90	3.54	0.00	3.36	-0.23	ND<50	340	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<2.0
11/19/03	6.90	3.61	0.00	3.29	-0.07	ND<50	78	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<2.0
05/05/04	6.90	3.59	0.00	3.31	0.02	ND<50	59	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<0.50

**Table 2**  
**HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS**  
**March 1991 Through May 2005**  
**Bulk Plant 0140**

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-D (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
<b>MW-7 continued</b>														
08/02/04	6.90	3.95	--	2.95	-0.36	53	ND<200	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<0.5	
11/08/04	6.90	3.80	0.00	3.10	0.15	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/31/05	6.90	3.32	0.00	3.58	0.48	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.67	
05/02/05	6.90	3.73	0.00	3.17	-0.41	ND<50	140	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.54	
<b>MW-8</b>														
11/28/01	8.53	4.51	0.00	4.02	--	ND<50	54	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
05/08/02	8.53	5.17	0.00	3.36	-0.66	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<2.0	
11/13/02	8.53	4.76	0.00	3.77	0.41	ND<50	ND<56	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
05/15/03	8.53	4.91	0.00	3.62	-0.15	ND<50	70	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<2.0	
11/19/03	8.53	4.97	0.00	3.56	-0.06	ND<50	59	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<2.0	
05/05/04	8.53	4.98	0.00	3.55	-0.01	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
08/02/04	8.53	4.30	--	4.23	0.68	ND<50	ND<200	ND<0.3	0.34	ND<0.3	0.68	--	ND<0.5	
11/08/04	8.53	5.15	0.00	3.38	-0.85	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/31/05	8.53	4.76	0.00	3.77	0.39	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
05/02/05	8.53	5.00	0.00	3.53	-0.24	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
<b>SD-1</b>														
03/27/91	--	--	--	--	--	ND	ND	ND	ND	ND	ND	--	--	Storm drain sample

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0140**

Date Sampled	EDC	EDB	DO	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8015B	Methanol 8015B	ORP (mV)	Ethanol 8260B (µg/l)
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)
<b>EC-1</b>											
02/07/01	-	-	ND	-	-	ND	ND	ND	ND	-	-
05/08/01	-	-	ND	-	-	ND	ND	ND	ND	-	ND
11/28/01	-	-	ND>0.50	-	-	ND<1.0	ND>20	ND<1.0	ND<500	-	ND<100
05/08/02	-	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	170	ND<500
11/13/02	-	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	ND<500
05/15/03	-	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	190	ND<500
11/19/03	ND<2.0	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	-	ND<500
05/05/04	ND>0.50	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<1.0	ND<0.50	-	ND<50
08/02/04	-	-	-	-	ND<1	ND<12	ND<1	ND<1	ND<0.10	-	ND<100
11/08/04	-	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	-	-
01/31/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	-	-
05/02/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	-	-
<b>EC-2</b>											
02/07/01	-	ND	-	-	ND	ND	ND	ND	ND	-	ND
05/08/01	-	ND	-	-	ND	ND	ND	ND	ND	-	ND
11/28/01	-	ND<0.50	-	-	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	-	ND<100
05/08/02	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-	ND<500
11/13/02	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-	ND<500
05/15/03	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<2.0	380	ND<500
11/19/03	ND<2.0	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	-	ND<500
05/05/04	ND>0.50	ND<0.50	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	-	ND<50
08/02/04	-	-	-	-	ND<1	ND<12	ND<1	ND<1	ND<0.10	-	ND<100
11/08/04	-	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	-	-
01/31/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	-	-
05/02/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	-	-

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0140**

Date Sampled	EDC	EDB	DO	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBEB 8015B	Methanol	ORP	Ethanol 8260B
				(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mV)	(µg/l)
				(µg/l)							
<b>EC-3 continued</b>											
02/07/01	-	-	ND	-	-	-	ND	ND	-	-	ND
<b>EC-4</b>											
05/08/01	-	-	ND	-	-	-	ND	ND	ND	-	ND
11/28/01	-	-	ND<1.0	-	-	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<500	-
05/08/02	-	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-
11/13/02	-	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-
05/15/03	-	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-
11/19/03	ND<2.0	ND<2.0	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	-
05/05/04	ND<0.50	ND<0.50	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<1.0	ND<50	-
08/02/04	-	-	-	-	-	ND<1	ND<12	ND<1	ND<1	ND<10	-
11/08/04	-	-	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	-	-
01/31/05	-	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	-	-
05/02/05	-	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	-	-
<b>MW-1</b>											
02/07/01	-	-	ND	-	-	-	ND	ND	ND	-	ND
05/08/01	-	-	ND	-	-	ND	ND	ND	ND	-	ND
11/28/01	-	-	ND<0.50	-	-	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	-
05/08/02	-	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-
11/13/02	-	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-
05/15/03	-	-	ND<2.0	ND<2.0	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-
11/19/03	ND<2.0	ND<2.0	-	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-
05/05/04	ND<0.50	ND<0.50	-	-	-	ND<0.50	ND<5.0	ND<1.0	ND<1.0	ND<50	-
08/02/04	-	-	-	-	-	ND<1	ND<12	ND<1	ND<10	ND<1000	-
11/08/04	-	-	2.08	10	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	-59	--
01/31/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	--	--	--
05/02/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	--	--	--

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0140**

Date Sampled	EDC	EDB	DO	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBEB 8260B	Methanol 8015B	ORP	Ethanol 8260B
	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	( $\text{mg/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	(mV)	( $\mu\text{g/l}$ )
<b>MW-2</b>											
02/07/01	-	ND	-	-	ND	ND	ND	ND	ND	-	ND
05/08/01	-	ND	-	-	ND	ND	ND	ND	ND	-	ND
11/28/01	-	ND<0.50	-	-	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	-	ND<100
05/08/02	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-	ND<500
11/13/02	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	-	ND<500
05/15/03	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<250	-	ND<500
11/08/04	-	-	2.05	75	ND<0.50	ND<5.0	ND<1.0	ND<0.50	-	-70	-
01/31/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	-	-	-
05/02/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	-	-	-
<b>MW-3</b>											
02/07/01	-	ND	-	-	ND	ND	ND	ND	ND	-	ND
05/08/01	-	ND	-	-	ND	ND	ND	ND	ND	-	ND
11/28/01	-	ND<0.50	-	-	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	-	ND<100
05/15/03	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<200	-	ND<500
11/19/03	ND<2.0	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	-	ND<500
05/05/04	ND<0.50	ND<0.50	-	-	ND<0.50	ND<5.0	ND<1.0	ND<1.0	ND<0.50	-	ND<50
08/02/04	-	-	-	-	ND<1	ND<12	ND<1	ND<1	ND<0.10	-	ND<1000
11/08/04	-	-	2.30	75	ND<0.50	ND<5.0	ND<1.0	ND<1.0	-	-10	-
01/31/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	-	-	-
05/02/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	-	-	-
<b>MW-4</b>											
02/07/01	-	ND	-	-	ND	ND	ND	ND	ND	-	ND
05/08/01	-	ND	-	-	ND	ND	ND	ND	ND	-	ND
11/28/01	-	ND<0.50	-	-	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	-	ND<100
05/08/02	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-	ND<500
11/13/02	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-	ND<500

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0140**

Date Sampled	EDC	EDB	DO	Carbon-Dioxide	TAME	TBA	DPE	ETBEB	Methanol	ORP	Ethanol
	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	( $\text{mg/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	(mV)	( $\mu\text{g/l}$ )
<b>MW-4 continued</b>											
05/15/03	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-	ND<500
11/19/03	ND<2.0	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	-	ND<500
05/05/04	ND<0.50	ND<0.50	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	-	ND<50
08/02/04	-	-	-	-	ND<1	ND<12	ND<1	ND<1	ND<0.10	-	ND<1000
11/08/04	-	-	-	1.25	45	ND<5.0	ND<5.0	ND<1.0	ND<0.50	-	-
01/31/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	-34	-
05/02/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	-	-
<b>MW-5</b>											
02/07/01	-	ND	-	-	ND	ND	ND	ND	-	-	ND
05/08/01	-	ND	-	-	ND	ND	ND	ND	-	-	ND
11/28/01	-	ND<1.0	-	-	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<500	-	ND<200
05/08/02	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-	ND<500
11/13/02	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-	ND<500
05/15/03	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	-	ND<500
11/19/03	ND<2.0	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	-	ND<500
05/05/04	ND<0.50	ND<0.50	-	-	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	-	ND<500
08/02/04	-	-	-	-	ND<1	ND<12	ND<1	ND<1	ND<0.10	-	ND<1000
11/08/04	-	-	2.35	25	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	6	-
01/31/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	-	-
05/02/05	-	-	-	-	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	-	-
<b>MW-6</b>											
02/07/01	-	ND	-	-	ND	ND	ND	ND	-	-	ND
05/08/01	-	ND	-	-	ND	ND	ND	ND	-	-	ND
11/28/01	-	ND<0.50	-	-	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	-	ND<100
05/08/02	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	160	-	ND<500
11/13/02	-	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-	ND<500

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0140**

Date Sampled	EDC	EDB	DO	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBEB 8015B	Methanol 8015B	ORP	Ethanol 8260B
	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	( $\text{mg/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	(mV)	( $\mu\text{g/l}$ )
<b>MW-6 continued</b>											
05/15/03	-	-	ND>2.0	-	-	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<200	-
11/19/03	ND<2.0	ND<2.0	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND>2.0	ND<10	ND<500
05/05/04	ND>0.50	ND>0.50	ND>0.50	-	-	ND>0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<50
08/02/04	-	-	-	-	-	ND<1	ND<12	ND<1	ND<1	ND<0.10	ND<1000
11/08/04	-	-	2.21	65	ND>0.50	ND>5.0	ND<1.0	ND<0.50	ND<0.50	-10	--
01/31/05	-	-	-	-	ND>0.50	ND>5.0	ND<0.50	ND<0.50	ND<0.50	-	--
05/02/05	-	-	-	-	ND>0.50	ND>5.0	ND<0.50	ND<0.50	ND<0.50	-	--
<b>MW-7</b>											
02/07/01	-	ND	-	-	ND	ND	ND	ND	ND	-	ND
05/08/01	-	ND	-	-	ND	ND	ND	ND	ND	-	ND
11/28/01	-	ND>0.50	-	-	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	-	ND<100
05/08/02	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	140	-	ND<500
11/13/02	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<100	-	ND<500
05/15/03	-	ND>2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<200	-	ND<500
11/19/03	ND<2.0	ND<2.0	-	-	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	-	ND<500
05/05/04	ND>0.50	ND>0.50	-	-	ND>0.50	ND>5.0	ND<1.0	ND<0.50	ND<0.50	-	ND<50
08/02/04	-	-	-	-	ND<1	ND<12	ND<1	ND<1	ND<0.10	-	ND<1000
11/08/04	-	-	2.80	10	ND>0.50	ND>5.0	ND<1.0	ND<0.50	ND<0.50	-18	--
01/31/05	-	-	-	-	ND>0.50	ND>5.0	ND<0.50	ND<0.50	ND<0.50	-	--
05/02/05	-	-	-	-	ND>0.50	ND>5.0	ND<0.50	ND<0.50	ND<0.50	-	--
<b>MW-8</b>											
11/28/01	-	ND>0.50	-	-	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<500	-	ND<100
05/08/02	-	ND>2.0	-	-	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<100	-	ND<500
11/13/02	-	ND>2.0	-	-	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<100	-	ND<500
05/15/03	-	ND>2.0	-	-	ND>2.0	ND<100	ND>2.0	ND>2.0	290	-	ND<500
11/19/03	ND<2.0	ND<2.0	-	-	ND>2.0	ND<100	ND>2.0	ND>2.0	ND<10	-	ND<500

**Table 3**  
**ADDITIONAL ANALYTICAL RESULTS**  
**Bulk Plant 0140**

Date Sampled	EDC	EDB	DO	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBEB 8015B	Methanol	ORP	Ethanol 8260B
	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	( $\text{mg/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\mu\text{g/l}$ )	( $\text{mg/l}$ )	(mV)	( $\mu\text{g/l}$ )
<b>MW-8 continued</b>											
05/05/04	ND<0.50	ND<0.50	--	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	--	ND<50
08/02/04	--	--	--	--	ND<1	ND<12	ND<1	ND<1	ND<0.10	--	ND<1000
11/08/04	--	--	2.95	45	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	11	--
01/31/05	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	--	--	--
05/02/05	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	--	--	--

# **COORDINATED EVENT DATA**

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211307)  
275 Highway 101  
Crescent City, California

WELL ID/	TOC*	DTW (ft.)	GWE (ms)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE by 8020 (ppb)	TPH-MO (ppb)
<b>TW-1</b>											
06/27/00	10.70	3.38	7.32	147	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	<2.00
08/16/00	10.70	4.02	6.68	80.4	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	<500
11/07/00	10.70	3.12	7.53	77.4	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	<500
02/07/01 <sup>1</sup>	10.70	2.95	7.75	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	220
06/05/01 <sup>1,2</sup>	10.70	3.66	7.04	90	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<100
08/08/01 <sup>1,2</sup>	10.70	4.22	6.48	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	180
12/04/01 <sup>1,2</sup>	10.70	1.90	8.80	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<5,000
03/13/02 <sup>1,2</sup>	10.70	1.82	8.88	130	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<5,000
06/20/02 <sup>1,2</sup>	10.68	3.51	7.17	210 <sup>3</sup>	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<400
08/14/02 <sup>4</sup>	10.68	4.32	6.36	92 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<400
11/13/02 <sup>5</sup>	10.68	3.01	7.67	62 <sup>6</sup>	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<170
02/12/03 <sup>5</sup>	10.68	2.62	8.06	<50 <sup>3</sup>	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<120
05/15/03 <sup>4</sup>	10.68	2.72	7.96	63/ <sup>5</sup> 50 <sup>3</sup>	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<120
08/13/03 <sup>4</sup>	10.68	4.42	6.26	82/61 <sup>3,6</sup>	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<120
11/05/03 <sup>4</sup>	10.68	4.26	6.42	66 <sup>3,6</sup>	<50	<0.50	<0.50	<0.50	<0.50	<0.50	120 <sup>6</sup>
02/04/04 <sup>4</sup>	10.68	2.25	8.43	>250 <sup>3</sup>	<50	<0.5	<0.5	<0.5	0.7	<0.5	<400
05/05/04 <sup>4</sup>	10.68	3.05	7.63	<50 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<40
08/02/04 <sup>4</sup>	10.68	4.17	6.51	180 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	200
11/08/04 <sup>4</sup>	10.68	3.11	7.57	69 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	290
01/31/05 <sup>4</sup>	10.68	2.47	8.21	160 <sup>3,8</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	140
05/02/05 <sup>4</sup>	10.68	2.79	7.89	<50 <sup>3</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<80
<b>TW-2</b>											
06/27/00	11.22	4.33	6.89	804	74.8	4.61	<0.500	<0.500	<0.500	<2.50	<2.00
08/16/00	11.22	4.83	6.39	1,690	131	7.24	<0.500	<0.500	<0.500	<2.50	<1,140
11/07/00	11.22	3.90	7.32	1,170	108	4.11	<0.500	<0.500	<0.500	<2.50	<1,100
02/07/01 <sup>1</sup>	11.22	3.80	7.42	1,200	110	3.2	<0.50	<0.50	<0.50	<5.0	<100
06/05/01 <sup>1,2</sup>	11.22	4.55	6.67	640	170	4.2	<0.50	<0.50	0.56	<0.50	<100
08/08/01 <sup>1,2</sup>	11.22	5.01	6.21	760	250	6.2	<0.50	<0.50	0.80	<0.5	<100
12/04/01 <sup>1,2</sup>	11.22	2.56	8.66	130	150	3.3	<0.50	<0.50	<0.50	<5.0	<5,000

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211307)  
275 Highway 101

WELL ID/ (ft.)	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE by 8090 (ppb)	MTBE by 8260 (ppb)	TPH-MO (ppb)
<b>Crescent City, California</b>												
<b>TW-2 (cont)</b>												
03/13/02 <sup>1,2</sup>	11.22	2.40	8.82	3,000	75	1.1	<0.50	<0.50	<0.50	-	<5.0	
06/20/02 <sup>1,2</sup>	11.19	4.20	6.99	2,200 <sup>3</sup>	110	4.2	<0.50	<0.50	<1.5	<2.5	-	1,300
08/14/02 <sup>4</sup>	11.19	5.02	6.17	1,400 <sup>3</sup>	270	8	<0.5	<0.5	<0.5	-	<0.5	<400
11/13/02 <sup>5</sup>	11.19	3.61	7.53	470 <sup>6</sup>	<50	2.4	<0.50	<0.50	<0.50	-	0.52	360 <sup>6</sup>
02/12/03 <sup>5</sup>	11.19	3.21	7.98	260 <sup>3,6</sup>	54	1.5	<0.50	<0.50	0.82	-	<0.50	820 <sup>6</sup>
05/15/03 <sup>4</sup>	11.19	3.56	7.63	6,1200/220 <sup>3,6,7</sup>	<50	0.81	<0.50	<0.50	<0.50	-	<0.50	1,100 <sup>6</sup>
08/13/03 <sup>4</sup>	11.19	5.12	6.07	6,1300/750 <sup>3,6</sup>	<50	<0.50	<0.50	<0.50	<0.50	-	<0.50	1,500 <sup>6</sup>
11/05/03 <sup>4</sup>	11.19	4.98	6.21	390 <sup>3,6</sup>	79	6.7	0.55	<0.50	0.69	-	<0.50	<1,200
02/04/04 <sup>4</sup>	11.19	2.87	8.32	620 <sup>3</sup>	76	1	<0.5	<0.5	<0.5	-	<0.5	1,700
05/05/04 <sup>4</sup>	11.19	3.91	7.28	1,300 <sup>3</sup>	<50	1	<0.5	<0.5	<0.5	-	<0.5	810
08/02/04 <sup>4</sup>	11.19	4.86	6.33	1,100 <sup>3</sup>	130	4	<0.5	<0.5	<0.5	-	<0.5	760
11/08/04 <sup>4</sup>	11.19	3.84	7.35	940 <sup>3</sup>	80	2	<0.5	<0.5	<0.5	-	<0.5	1,800
01/31/05 <sup>4</sup>	11.19	3.29	7.90	1,300 <sup>3</sup>	<50	0.9	<0.5	<0.5	<0.5	-	<0.5	1,600
<b>05/02/05<sup>4</sup></b>	<b>11.19</b>	<b>3.70</b>	<b>7.49</b>	<b>620<sup>3</sup></b>	<b>52</b>	<b>0.9</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>-</b>	<b>&lt;0.5</b>	<b>980</b>
<b>TW-3</b>												
06/27/00	11.57	4.75	6.82	1,960	774	4.64	2.58	1.10	6.40	<2.50	<2.00	1,830
08/16/00	11.57	5.31	6.26	1,050	241	1.24	0.998	<0.500	1.29	<2.50	-	964
11/07/00	11.57	4.20	7.37	1,650	486	2.06	<0.500	0.556	3.00	<2.50	-	1,540
02/07/01 <sup>1</sup>	11.57	4.16	7.41	2,800	920	2.4	0.58	0.69	4.6	-	<5.0	<100
06/05/01 <sup>1,2</sup>	11.57	5.00	6.57	630	730	1.1	<0.50	<0.50	2.3	-	<0.50	<100
08/08/01 <sup>1,2</sup>	11.57	5.47	6.10	410	110	0.64	<0.50	<0.50	<0.50	-	<5.0	<100
12/04/01 <sup>1,2</sup>	11.57	2.85	8.72	460	1,200	2.0	0.54	<0.50	4.3	-	<5.0	<5,000
03/13/02 <sup>1,2</sup>	11.57	2.62	8.95	2,200	<50	<0.50	<0.50	<0.50	<0.50	-	<5.0	<5,000
06/20/02 <sup>1,2</sup>	11.55	4.65	6.90	2,100 <sup>3</sup>	410	0.59	<0.50	0.99	2.7	<2.5	-	1,400
08/14/02 <sup>4</sup>	11.55	5.43	6.12	600 <sup>3</sup>	120	<0.5	<0.5	<0.5	<0.5	-	<0.5	<400
11/13/02 <sup>5</sup>	11.55	3.82	7.73	510 <sup>6</sup>	<50	<0.50	<0.50	<0.50	<0.50	-	<0.50	480 <sup>6</sup>
02/12/03 <sup>5</sup>	11.55	3.22	8.33	450 <sup>3,6</sup>	350	1.5	0.60	0.75	3.7	-	<0.50	1,500 <sup>6</sup>
05/15/03 <sup>4</sup>	11.55	3.96	7.59	62,900/640 <sup>3,6</sup>	220	1.2	0.54	0.61	4.0	-	<0.50	2,200 <sup>6</sup>
08/13/03 <sup>4</sup>	11.55	5.54	6.01	6,1300/850 <sup>3,6</sup>	<50	<0.50	<0.50	<0.50	<0.50	-	<0.50	1,400 <sup>6</sup>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211307)  
275 Highway 101  
Crescent City, California

WELL ID/ TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE by 8020 (ppb)	MTBE by 8260 (ppb)	TPH-MO (ppb)
<b>TW-3 (cont)</b>											
11/05/03 <sup>4</sup>	11.55	5.35	6.20	150 <sup>3,6</sup>	<50	<0.50	<0.50	<0.50	-	<0.50	58 <sup>6</sup>
02/04/04 <sup>4</sup>	11.55	3.16	8.39	2,100 <sup>3</sup>	570	0.6	<0.5	0.5	2	<0.5	4,300
05/05/04 <sup>4</sup>	11.55	4.30	7.25	3,100 <sup>3</sup>	490	0.9	<0.5	4	-	<0.5	2,400
08/02/04 <sup>4</sup>	11.55	5.28	6.27	930 <sup>3</sup>	64	<0.5	<0.5	<0.5	-	<0.5	730
11/08/04 <sup>4</sup>	11.55	4.17	7.38	1,500 <sup>3</sup>	370	0.6	<0.5	1	-	<0.5	2,300
01/31/05 <sup>4</sup>	11.55	3.46	8.09	3,500 <sup>3</sup>	550	0.6	<0.5	2	-	<0.5	5,600
<b>05/02/05<sup>4</sup></b>	<b>11.55</b>	<b>4.11</b>	<b>7.44</b>	<b>1,600<sup>3</sup></b>	<b>670</b>	<b>0.5</b>	<b>&lt;0.5</b>	<b>2</b>	<b>-</b>	<b>&lt;0.5</b>	<b>2,400</b>
<b>TW-4</b>											
06/27/00	11.05	4.08	6.97	1,020	92.2	<0.500	<0.500	<0.500	3.41	3.53	1,180
08/16/00	11.05	4.64	6.41	1,200	<50.0	<0.500	<0.500	<0.500	--	--	949
11/07/00	11.05	3.50	7.55	956	<50.0	<0.500	<0.500	<0.500	--	--	1,210
02/07/01 <sup>1</sup>	11.05	3.47	7.58	1,800	<50	<0.50	<0.50	<0.50	--	<5.0	<100
06/05/01 <sup>1,2</sup>	11.05	4.28	6.77	4,300	<50	<0.50	<0.50	<0.50	--	--	<100
08/08/01 <sup>1,2</sup>	11.05	4.78	6.27	2,400	<50	<0.50	<0.50	<0.50	--	<5.0	1,100
12/04/01 <sup>1,2</sup>	11.05	2.74	8.31	<50	<50	<0.50	<0.50	<0.50	--	<5.0	<5,000
03/13/02 <sup>1,2</sup>	11.05	1.95	9.10	240	630	1.3	<0.50	<0.50	2.5	<5.0	<5,000
06/20/02 <sup>1,2</sup>	11.03	4.00	7.03	3,100 <sup>3</sup>	<50	<0.50	<0.50	<0.50	<2.5	--	2,800
08/14/02 <sup>4</sup>	11.03	4.82	6.21	4,700 <sup>3</sup>	<50	<0.5	<0.5	<0.5	--	<0.5	<400
11/13/02 <sup>5</sup>	11.03	3.27	7.76	370 <sup>6</sup>	<50	<0.50	<0.50	<0.50	--	2.0	44 <sup>6</sup>
02/12/03 <sup>5</sup>	11.03	2.87	8.16	210 <sup>3,6</sup>	<50	<0.50	<0.50	<0.50	--	<0.50	<1,200
05/15/03 <sup>4</sup>	11.03	3.28	7.75	6 <sup>1,600/240<sup>3,6</sup></sup>	<50	<0.50	<0.50	<0.50	--	<0.50	1,600 <sup>6</sup>
08/13/03 <sup>4</sup>	11.03	4.91	6.12	6 <sup>1,300/700<sup>3,6</sup></sup>	<50	<0.50	<0.50	<0.50	--	<0.50	1,500 <sup>6</sup>
11/05/03 <sup>4</sup>	11.03	4.71	6.32	940 <sup>3,6</sup>	<50	<0.50	<0.50	<0.50	--	0.64	2,000 <sup>6</sup>
02/04/04 <sup>4</sup>	11.03	2.54	8.49	890 <sup>3</sup>	<50	<0.5	0.6	<0.5	3	--	<0.5
05/05/04 <sup>4</sup>	11.03	3.61	7.42	3,500 <sup>3</sup>	<50	<0.5	<0.5	<0.5	--	<0.5	1,700
08/02/04 <sup>4</sup>	11.03	4.69	6.34	1,700 <sup>3</sup>	<50	<0.5	<0.5	<0.5	--	<0.5	1,600
11/08/04 <sup>4</sup>	11.03	3.52	7.51	1,500 <sup>3</sup>	<50	<0.5	<0.5	<0.5	--	0.6	2,600
01/31/05 <sup>4</sup>	11.03	2.82	8.21	3,100 <sup>3</sup>	<50	<0.5	<0.5	<0.5	--	<0.5	4,900
<b>05/02/05<sup>4</sup></b>	<b>11.03</b>	<b>3.40</b>	<b>7.63</b>	<b>1,000<sup>3</sup></b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>--</b>	<b>&lt;0.5</b>	<b>2,000</b>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211307)  
275 Highway 101  
Crescent City, California

WELL ID/ QA	TOC* (ft.)	DTW (ft.)	GWE (ms)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE by 8020 (ppb)	MTBE by 8260 (ppb)	TPH-MO (ppb)
<b>TRIP BLANK</b>												
06/20/02	-	-	-	-	-	<50	<50	<0.50	<1.5	<2.5	-	-
08/14/02 <sup>4</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
11/13/02 <sup>5</sup>	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	-
02/12/03 <sup>5</sup>	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	-
05/15/03	-	-	-	-	-	<50	-	-	-	-	-	-
08/13/03 <sup>4</sup>	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	-
11/05/03 <sup>4</sup>	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	-	-
02/04/04 <sup>4</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
05/05/04 <sup>4</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
08/02/04 <sup>4</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
11/08/04 <sup>4</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
01/31/05 <sup>4</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-
<b>05/02/05<sup>4</sup></b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>-</b>	<b>-</b>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211307)  
275 Highway 101  
Crescent City, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to June 20, 2002, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing  
(ft.) = Feet

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

\* TOC elevations are referenced to msl. TOC elevations re-surveyed on May 5, 2002, by Virgil Chavez Land Surveying of Vallejo, California. The benchmark used for this survey

was a NGS disk stamped No. 23 1972 located at 444 Highway 101 South Northeast corner of the sidewalk of the Town Motel, 2.0 feet northwest of the face of the office. (Benchmark Elevation 15.67 feet NAVD 88). Wells surveyed August 4, 2000, by Virgil Chavez Land Surveying of Vallejo, California.

1 TPH-G and BTEX by EPA Method 8260B; prior to February 7, 2001; TPH-G was analyzed by EPA Method 8015 and BTEX by EPA Method 8020.

2 TPH-MO and TPH-D by modified EPA Method 8015 with silica gel; prior to June 5, 2001, analyzed without silica gel.

3 TPH-D with silica gel clean-up.

4 BTEX by EPA Method 8260.

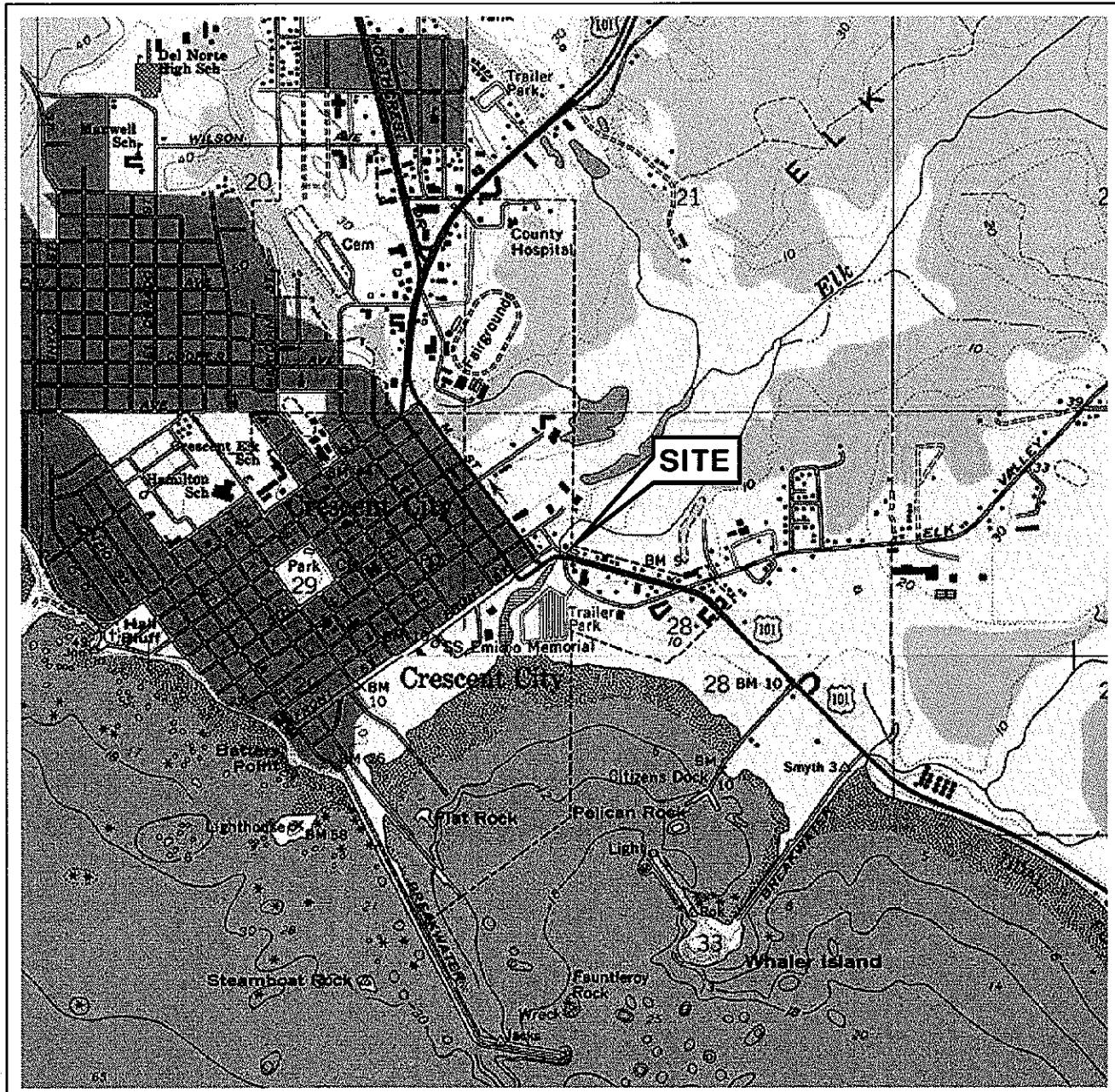
5 TPH-G and BTEX by EPA Method 8260.

6 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

7 Laboratory report indicates this sample was extracted beyond the EPA recommended holding time.

8 Laboratory report indicates the observed sample pattern is not typical of diesel #2 fuel oil.

# **FIGURES**



0      1/4      1/2      3/4      1 MILE

SCALE 1:24,000



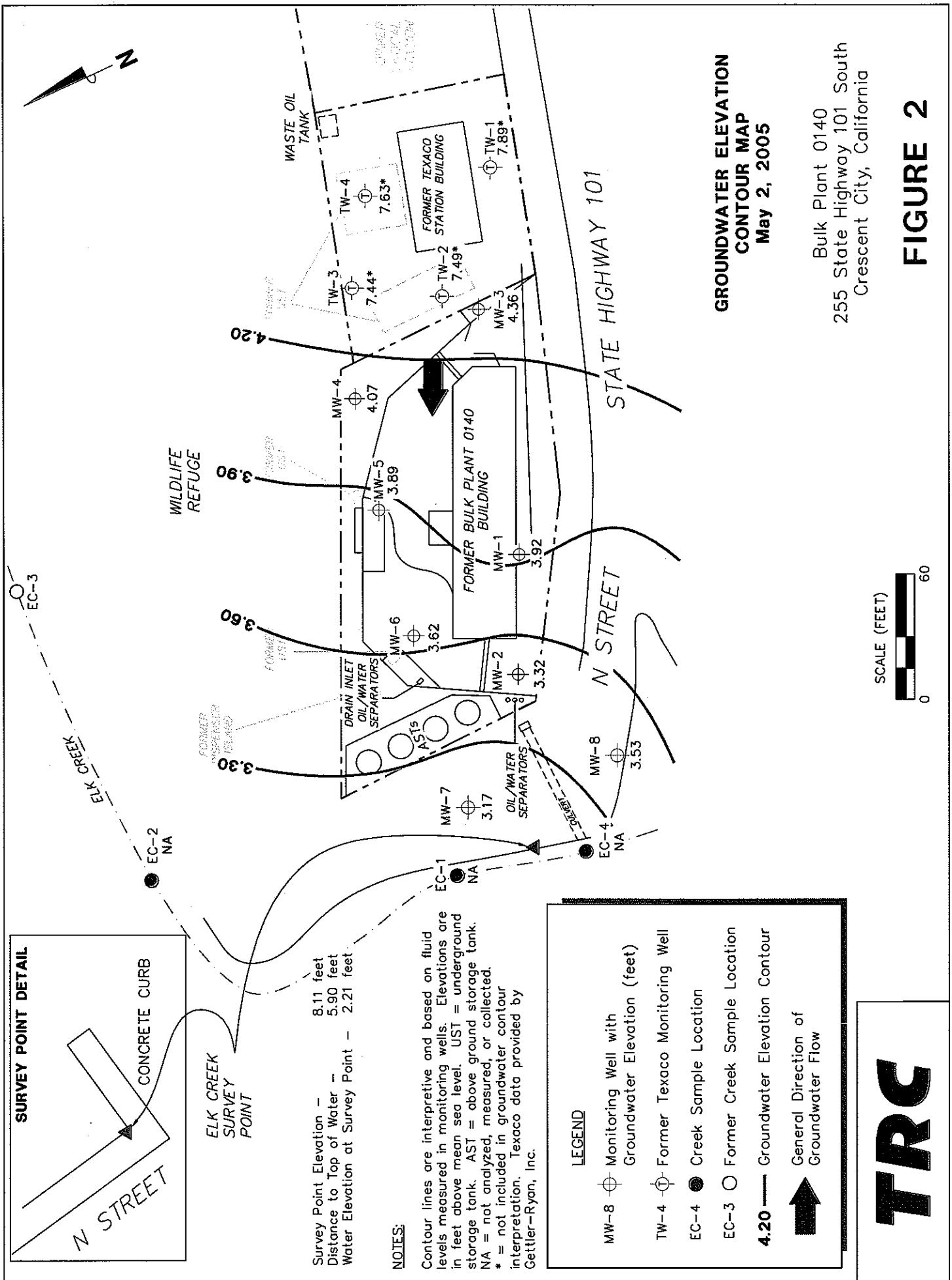
QUADRANGLE  
LOCATION

### VICINITY MAP

#### SOURCE:

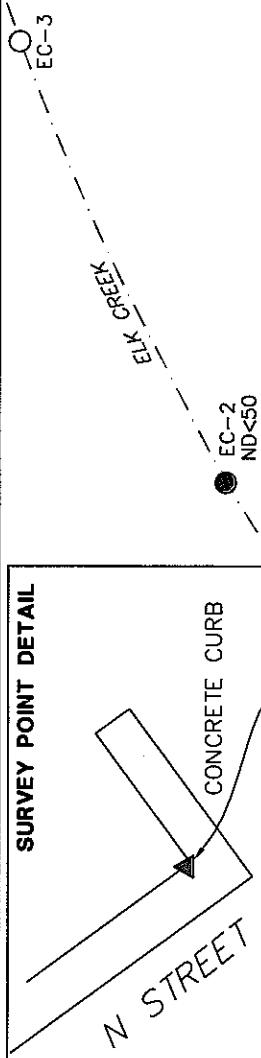
United States Geological Survey  
7.5 Minute Topographic Map:  
Crescent City & Sister Rocks  
Quadrangles

76 Station 0140  
255 State Highway 101 South  
Crescent City, California



**FIGURE 2**

### SURVEY POINT DETAIL



ELK CREEK  
SURVEY  
POINT

WILDLIFE  
REFUGE

ND<50

EC-2

AST

EC-3

ELK CREEK

N STREET

### NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-G = total petroleum hydrocarbons as gasoline.  $\mu\text{g/l}$  = micrograms per liter. UST = underground storage tank. AST = above ground storage tank. ND = not detected at limit indicated on official laboratory report. Texaco data provided by Gettier-Ryan, Inc. TPH-G results obtained using EPA Method 8015.

### LEGEND

MW-8 ● Monitoring Well with Dissolved-Phase TPH-G Concentration ( $\mu\text{g/l}$ )  
TW-4 ○ Former Texaco Monitoring Well with Dissolved-Phase TPH-G Concentration ( $\mu\text{g/l}$ )

EC-4 ● Creek Sample Point (ND<50) with Dissolved-Phase TPH-G Concentration ( $\mu\text{g/l}$ )  
EC-3 ○ Former Creek Sample Location

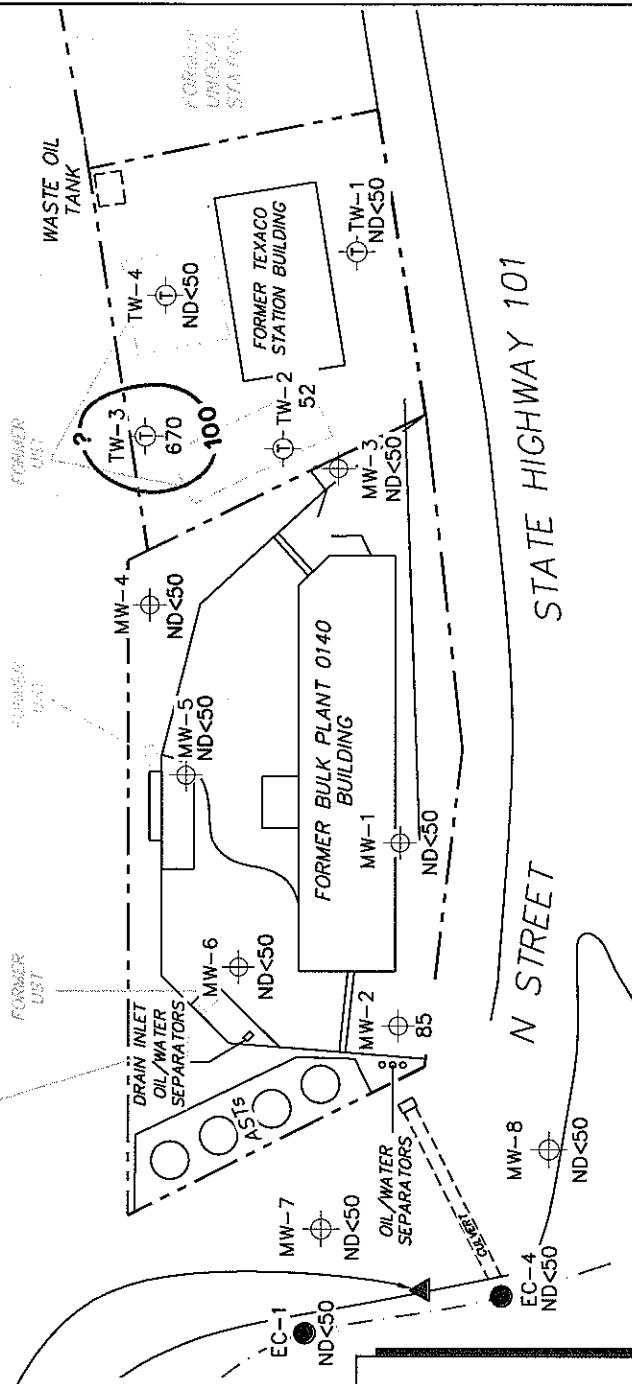
Dissolved-Phase TPH-G Contour ( $\mu\text{g/l}$ )  
100

### DISSOLVED-PHASE TPH-G CONCENTRATION MAP

May 2, 2005

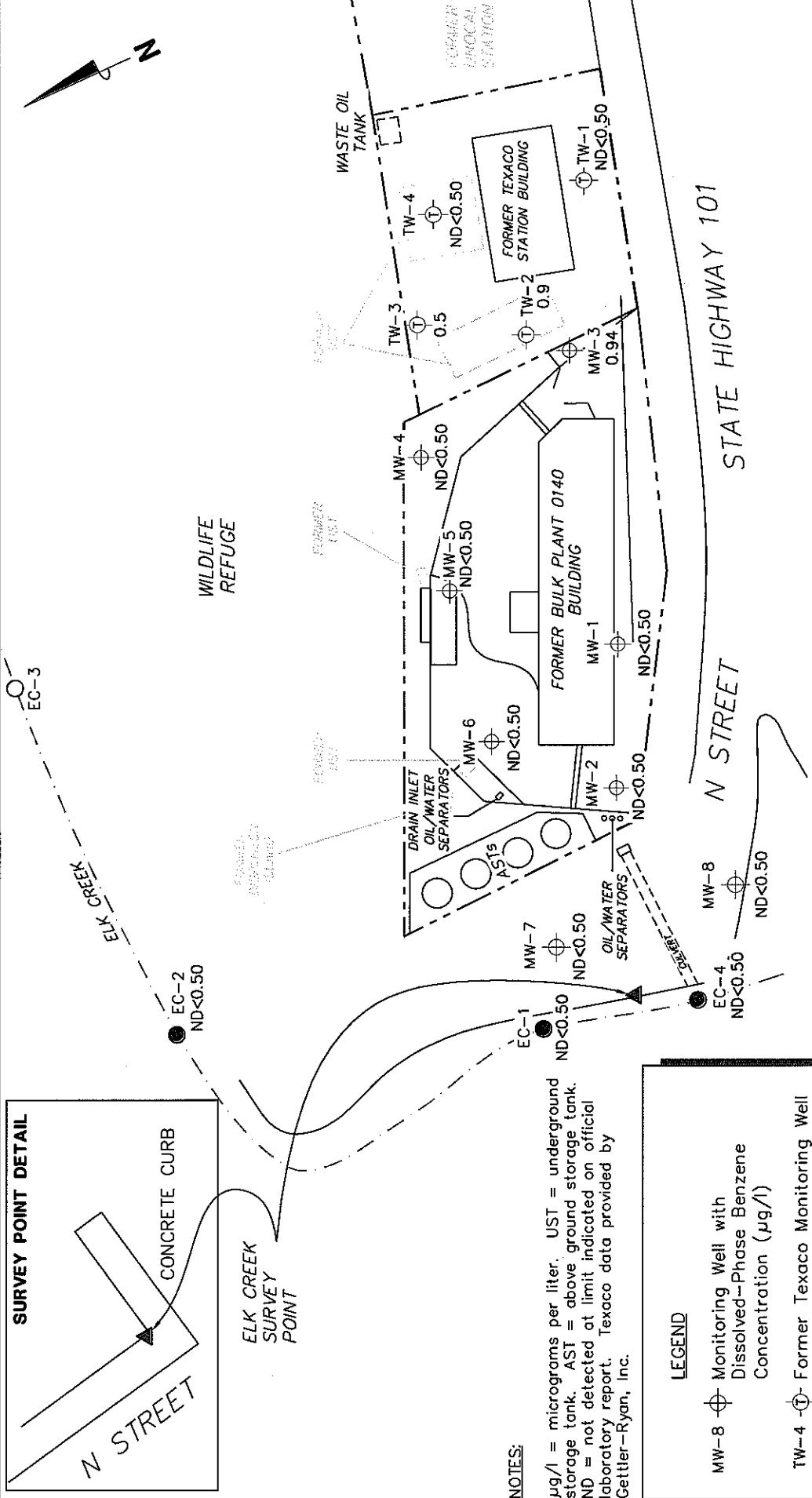
Bulk Plant 0140  
255 State Highway 101 South  
Crescent City, California

SCALE (FEET)  
0 60



TRC

FIGURE 3

**SURVEY POINT DETAIL****NOTES:**

$\mu\text{g/l}$  = micrograms per liter. UST = underground storage tank. AST = above ground storage tank. ND = not detected at limit indicated on official laboratory report. Texaco data provided by Gettler-Ryan, Inc.

**LEGEND**

MW-8 ● Monitoring Well with Dissolved-Phase Benzene Concentration ( $\mu\text{g/l}$ )

TW-4 -● Former Texaco Monitoring Well with Dissolved-Phase Benzene Concentration ( $\mu\text{g/l}$ )

EC-4 ● Creek Sample Point (ND<0.50) with Dissolved-Phase Benzene Concentration ( $\mu\text{g/l}$ )

EC-3 ○ Former Creek Sample Location

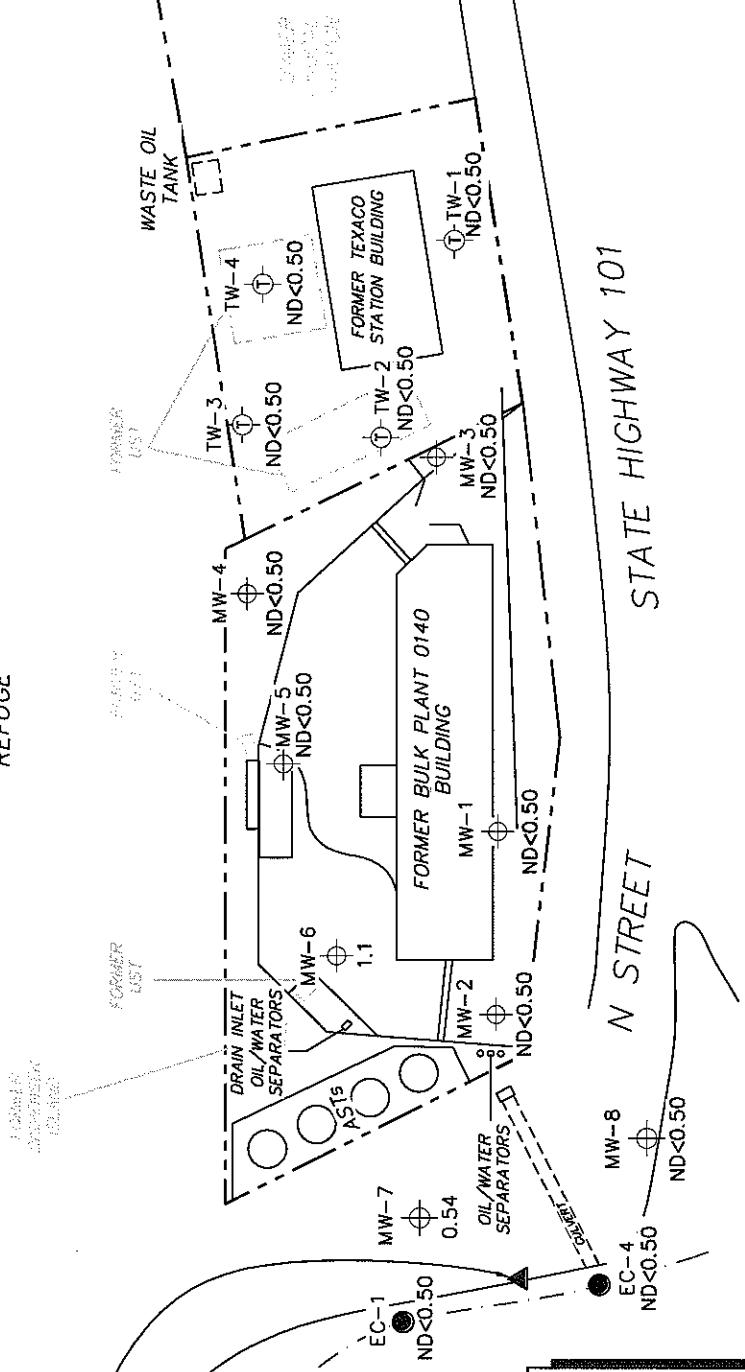
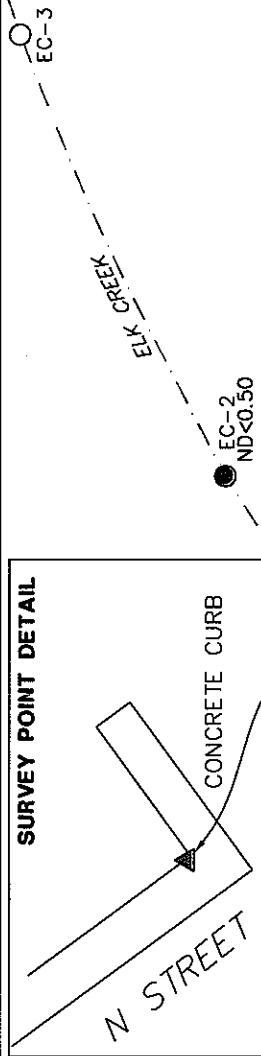
**TRC**

SCALE (FEET)  
0 60

**FIGURE 4****DISSOLVED-PHASE BENZENE CONCENTRATION MAP**

May 2, 2005

Bulk Plant 0140  
255 State Highway 101 South  
Crescent City, California

**SURVEY POINT DETAIL**

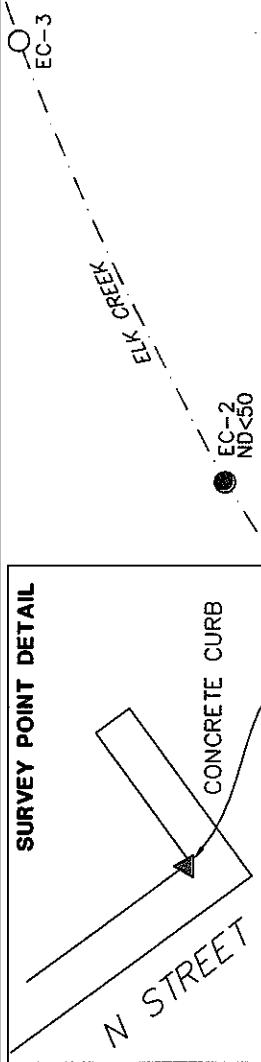
**DISSOLVED-PHASE MTBE CONCENTRATION MAP**  
May 2, 2005

Bulk Plant 0140  
255 State Highway 101 South  
Crescent City, California

SCALE (FEET)  
0 60

**TRC**

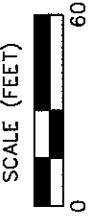
**FIGURE 5**

**SURVEY POINT DETAIL****NOTES:**

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-D = total petroleum hydrocarbons as diesel.  $\mu\text{g/l}$  = micrograms per liter. UST = underground storage tank. ND = not detected at limit indicated on official laboratory report. Texaco data provided by Gettler-Ryan, Inc.; Results obtained using EPA Method 8015.

**LEGEND**

- MW-8 Monitoring Well with Dissolved-Phase TPH-D Concentration ( $\mu\text{g/l}$ )
- TW-4 Former Texaco Monitoring Well with Dissolved-Phase TPH-D Concentration ( $\mu\text{g/l}$ )
- EC-4 ● Creek Sample Point (ND>50) with Dissolved-Phase TPH-D Concentration ( $\mu\text{g/l}$ )
- EC-3 ○ Former Creek Sample Location
- Dissolved-Phase TPH-D Contour ( $\mu\text{g/l}$ )

**TRC****SCALE (FEET)**

Bulk Plant 0140  
255 State Highway 101 South  
Crescent City, California

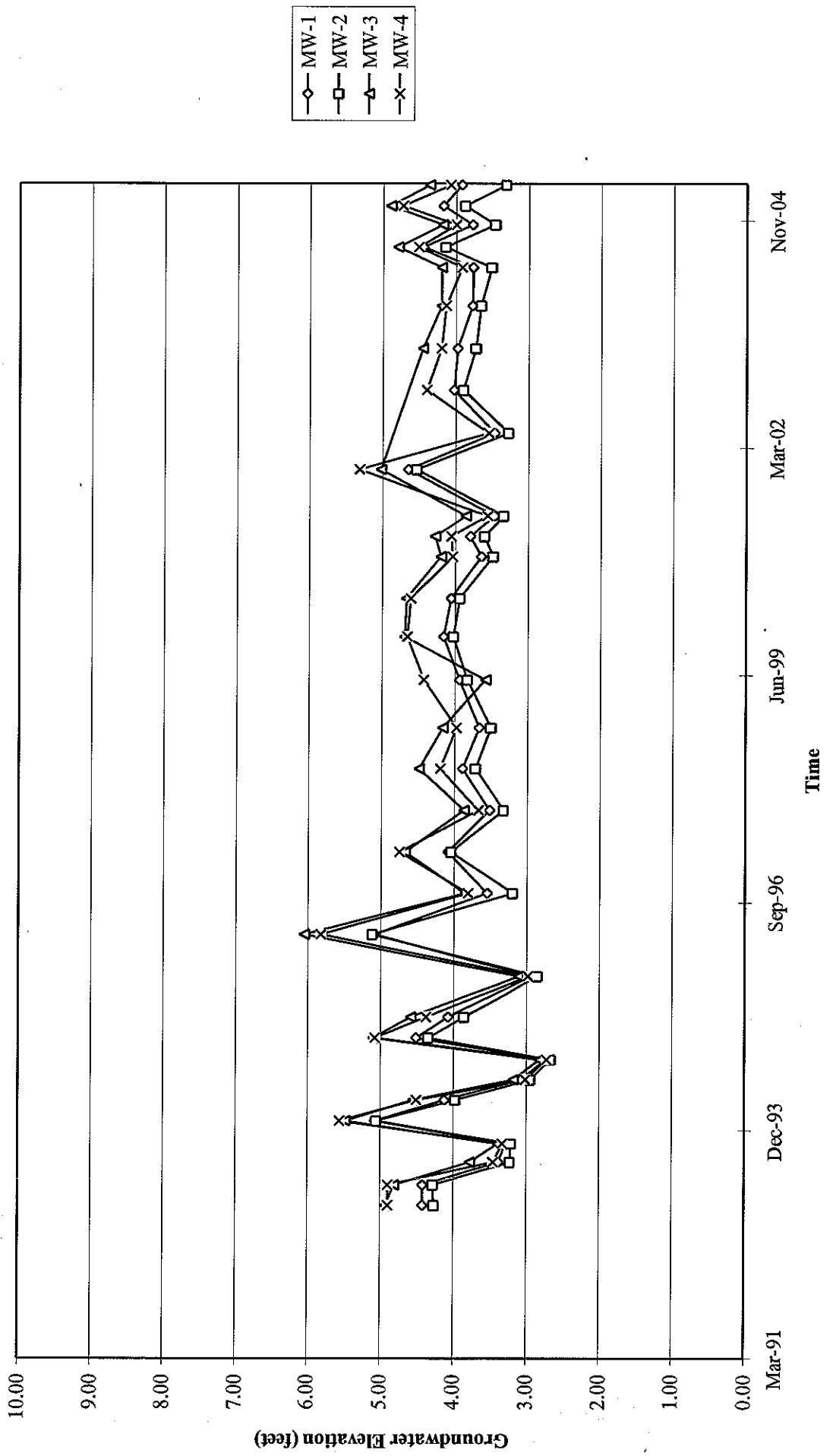
**DISSOLVED-PHASE TPH-D CONCENTRATION MAP**

May 2, 2005

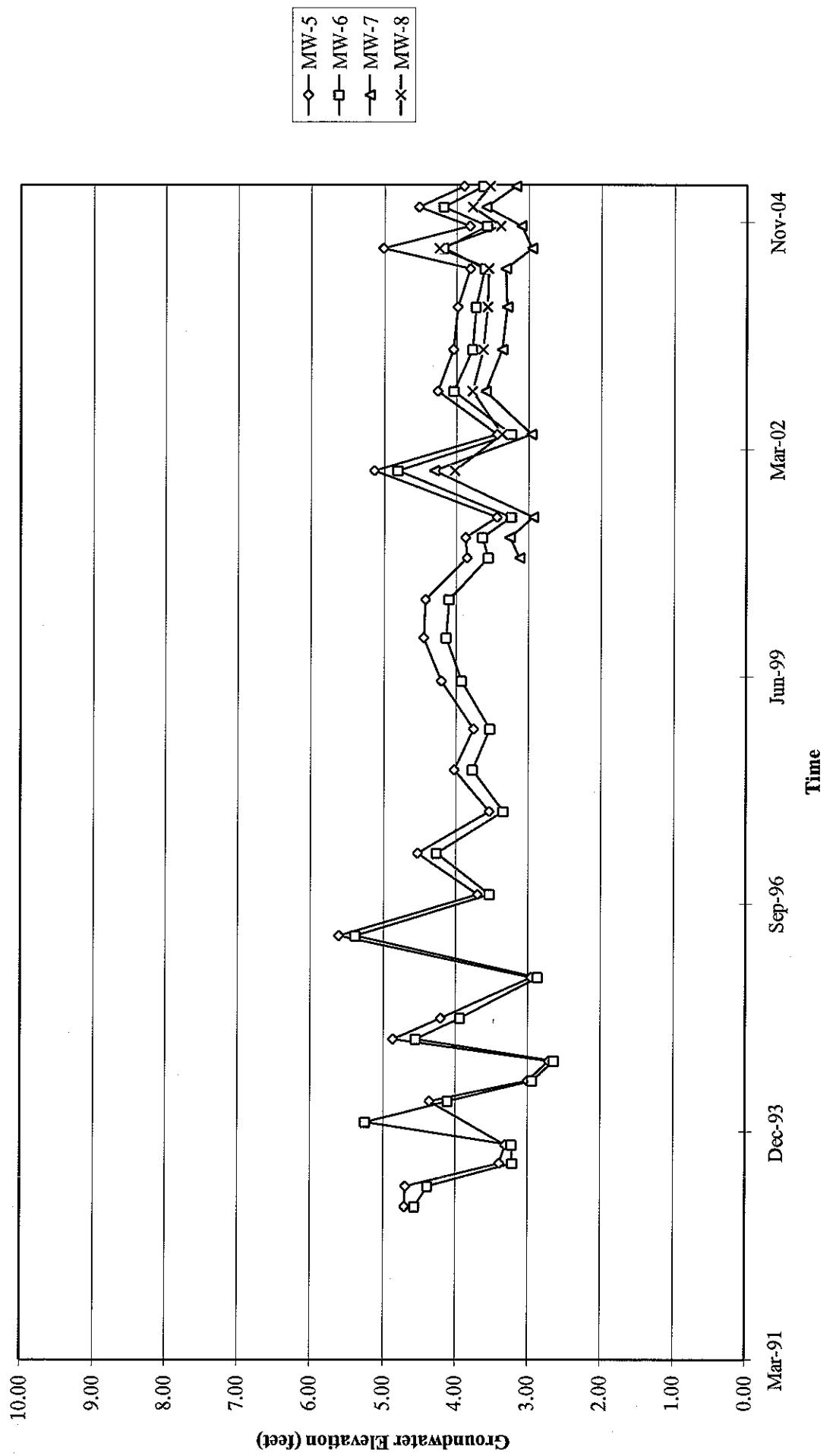
**FIGURE 6**

# GRAPHS

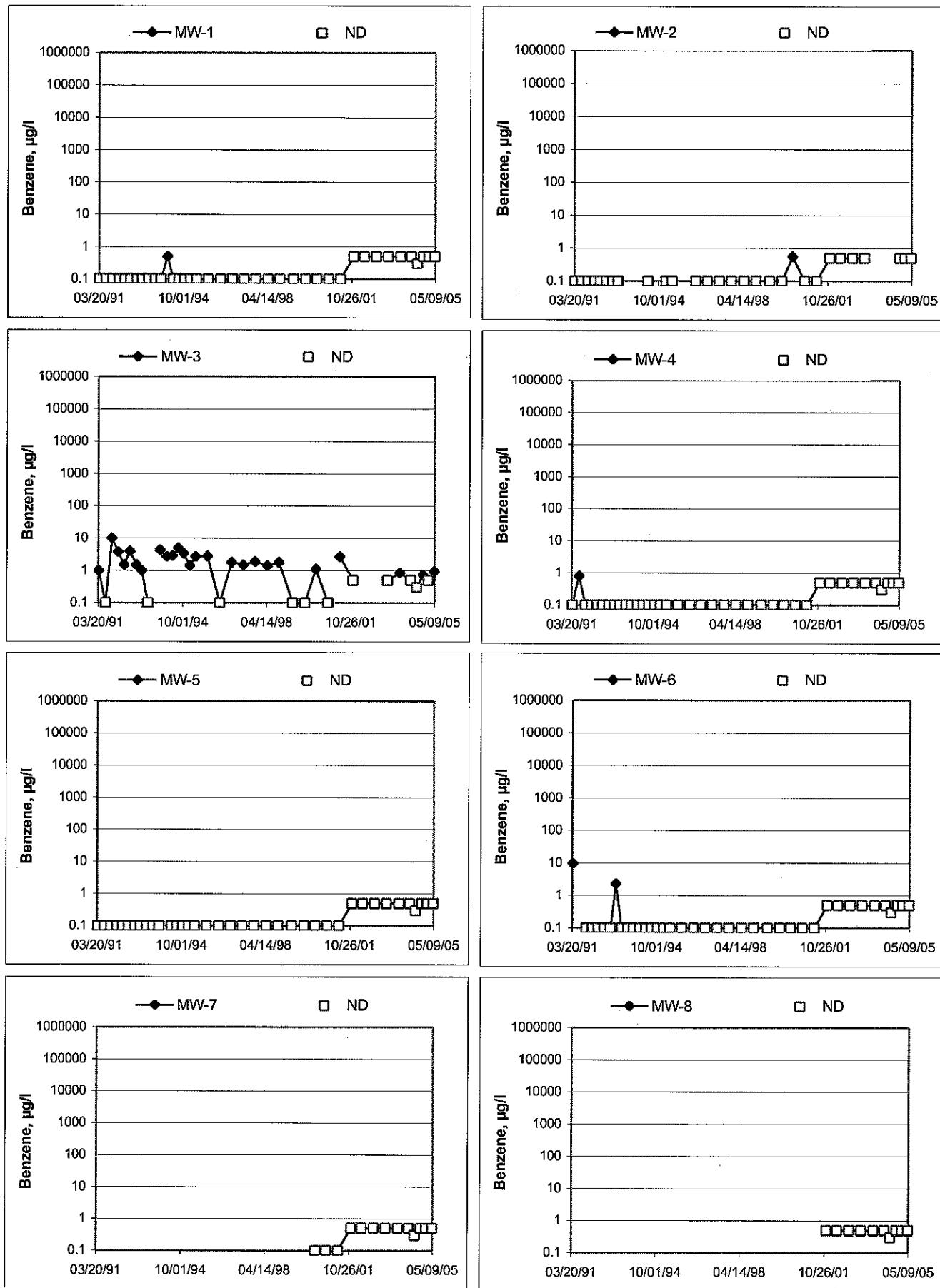
Groundwater Elevations vs. Time  
Bulk Plant 0140



Groundwater Elevations vs. Time  
Bulk Plant 0140



**Benzene Concentrations vs Time**  
Bulk Plant 0140



## GENERAL FIELD PROCEDURES

### **Groundwater Monitoring and Sampling Assignments**

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

### **Fluid Level Measurements**

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

### **Purging and Groundwater Parameter Measurement**

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

## **Groundwater Sample Collection**

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

## **Sequence of Gauging, Purging, and Sampling**

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

## **Decontamination**

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

## **Exceptions**

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

# FIELD MONITORING DATA SHEET

Technician: Dick R. Job #/Task #: 41050001/FABO Date: 05/02/05

Site # 2140 Project Manager A. Collins Page 1 of 2

# FIELD MONITORING DATA SHEET

Technician: Anthony Job #/Task #: 411050001/FA20 Date: 05-02-05

Site # 0140 Project Manager A. Collins

Project Manager A. Collins

Date: 05-02-05

Page 2 of 2

## GROUNDWATER SAMPLING FIELD NOTES

Technician: Dick R.Date: DR  
0405/02/05Site: 0140Project No.: 41050001Well No.: MW-6Purge Method: DIADepth to Water (feet): 4.36Depth to Product (feet): 0Total Depth (feet): 18.11LPH & Water Recovered (gallons): 0Water Column (feet): 13.75Casing Diameter (inches): 4"80% Recharge Depth (feet): 7.111 Well Volume (gallons): 9

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity ORP	D.O.
1256			9	3,00NS	17.3 6.75	6.75	-79	1.28
			18	3.17	17.0	6.68		
1314			27	3.06	15.2	6.75		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
• 4.38			27			1455		
Comments:								

Well No.: MW-5Purge Method: DIADepth to Water (feet): 4.81Depth to Product (feet): 0Total Depth (feet): 18.47LPH & Water Recovered (gallons): 0Water Column (feet): 13.66Casing Diameter (inches): 4"80% Recharge Depth (feet): 7.541 Well Volume (gallons): 9

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity ORP	D.O.
1320			9	3,05MS	16.0	6.66	-44	1.20
			18	1825	15.5	6.69		
1328			27	1826	15.3	6.71		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
5.24			27			1330		
Comments:								

CO =

49 ppm

CO =

15 ppm

## GROUNDWATER SAMPLING FIELD NOTES

Technician: Rick R.Site: 0140Project No.: 41050001Date: 05/02/05Well No.: MW-4Depth to Water (feet): 4.43Total Depth (feet): 18.22Water Column (feet): 13.7980% Recharge Depth (feet): 7.19Purge Method: DIADepth to Product (feet): 0LPH & Water Recovered (gallons): 0Casing Diameter (Inches): 4"1 Well Volume (gallons): 9

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity ORP	D.O.
1348			9	305	15.4	6.35	-85	0.66
			18	517	14.8	6.32		
1353			27	924	14.4	6.38		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
4.72			27			1357		
Comments:								

Well No.: MW-3Depth to Water (feet): 2.84Total Depth (feet): 18.03Water Column (feet): 15.1980% Recharge Depth (feet): 5.88Purge Method: DIADepth to Product (feet): 0LPH & Water Recovered (gallons): 0Casing Diameter (Inches): 4"1 Well Volume (gallons): 10

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity ORP	D.O.
1419			10	3,76 MS	16.8	6.23	133	0.96
			20	4.75	15.7	6.36		
1427			30	5.44	15.6	6.65		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
3.06			30			1431		
Comments:								

CO<sub>2</sub>4 ppmCO<sub>2</sub>65 ppm

## GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony

Site: 0140

Project No.:

41050001

Date: 05-02-05

Well No.: MW-1

Depth to Water (feet): 3-65

Total Depth (feet): 18-43

Water Column (feet): 14.78

80% Recharge Depth (feet): 6.07

80% Recharge Depth (feet). \_\_\_\_\_

Purge Method: Dia

Depth to Product (feet): \_\_\_\_\_

**LPH & Water Recovered (gallon)**

Casing Diameter (Inches): \_\_\_\_\_

1 Well Volume (gallons): 1

Well No.: MW-2

Depth to Water (feet): 4.3

Total Depth (feet): 17.90

Water Column (feet): 13.6

80% Recharge Depth (feet): 7

Purge Method: Dia

Depth to Product (feet): \_\_\_\_\_

### LPH & Water Recovered (gallons)

Casing Diameter (Inches): \_\_\_\_\_

1 Well Volume (gallons): 1

## GROUNDWATER SAMPLING FIELD NOTES

Technician:

AnthonySite: 0140

Project No.:

41050001Date: 05-02-05Well No.: MW-8Purge Method: D.aDepth to Water (feet): 5.00Depth to Product (feet): 6Total Depth (feet): 14.36LPH & Water Recovered (gallons): 6Water Column (feet): 9.36Casing Diameter (inches): 2"80% Recharge Depth (feet): 6.871 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. $\circ$ )	pH	Turbidity ORP	D.O.
1353			2	424	18.9	7.35	039	5.23
			4	507	17.9	7.22		
1356			6	304	17.4	7.21		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
5.09			6				1405	

Comments: \_\_\_\_\_

Well No.: MW-7Purge Method: D.aDepth to Water (feet): 3.73Depth to Product (feet): 6Total Depth (feet): 14.07LPH & Water Recovered (gallons): 6Water Column (feet): 10.34Casing Diameter (inches): 2"80% Recharge Depth (feet): 5.801 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F. $\circ$ )	pH	Turbidity ORP	D.O.
1420			2	1572	17.8	7.08	-009	2.10
			4	1715	17.2	6.90		
1423			6	1753	16.9	6.88		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
3.73			6				1433	

Comments: \_\_\_\_\_

**TRC Alton Geoscience- Irvine**

May 23, 2005

21 Technology Drive  
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20  
Project: Conoco Phillips # 0140  
Site: 255 State Highway 101 South Cresent City

Attached is our report for your samples received on 05/09/2005 10:50  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
06/23/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,  
please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma  
Project Manager

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/02/2005 13:05	Water	1
MW-2	05/02/2005 13:36	Water	2
MW-8	05/02/2005 14:05	Water	3
MW-7	05/02/2005 14:33	Water	4
EC-4	05/02/2005 15:00	Water	5
EC-1	05/02/2005 15:13	Water	6
EC-2	05/02/2005 15:20	Water	7
MW-6	05/02/2005 14:55	Water	8
MW-5	05/02/2005 13:30	Water	9
MW-4	05/02/2005 13:57	Water	10
MW-3	05/02/2005 14:31	Water	11

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Received: 05/09/2005 10:50

Conoco Phillips # 0140

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-1	Lab ID:	2005-05-0261 - 1
Sampled:	05/02/2005 13:05	Extracted:	5/14/2005 16:45
Matrix:	Water	QC Batch#:	2005/05/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/14/2005 16:45	
Benzene	ND	0.50	ug/L	1.00	05/14/2005 16:45	
Toluene	ND	0.50	ug/L	1.00	05/14/2005 16:45	
Ethyl benzene	ND	0.50	ug/L	1.00	05/14/2005 16:45	
Xylene(s)	ND	0.50	ug/L	1.00	05/14/2005 16:45	
<b>Surrogate(s)</b>						
Trifluorotoluene	107.7	58-124	%	1.00	05/14/2005 16:45	
4-Bromofluorobenzene-FID	95.4	50-150	%	1.00	05/14/2005 16:45	

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-2	Lab ID:	2005-05-0261 - 2
Sampled:	05/02/2005 13:36	Extracted:	5/14/2005 17:18
Matrix:	Water	QC Batch#:	2005/05/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	85	50	ug/L	1.00	05/14/2005 17:18	Q1
Benzene	ND	0.50	ug/L	1.00	05/14/2005 17:18	
Toluene	ND	0.50	ug/L	1.00	05/14/2005 17:18	
Ethyl benzene	ND	0.50	ug/L	1.00	05/14/2005 17:18	
Xylene(s)	ND	0.50	ug/L	1.00	05/14/2005 17:18	
<b>Surrogate(s)</b>						
Trifluorotoluene	109.1	58-124	%	1.00	05/14/2005 17:18	
4-Bromofluorobenzene-FID	98.2	50-150	%	1.00	05/14/2005 17:18	

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Received: 05/09/2005 10:50

Conoco Phillips # 0140

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	MW-8	Lab ID:	2005-05-0261 - 3
Sampled:	05/02/2005 14:05	Extracted:	5/14/2005 20:06
Matrix:	Water	QC Batch#:	2005/05/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/14/2005 20:06	
Benzene	ND	0.50	ug/L	1.00	05/14/2005 20:06	
Toluene	ND	0.50	ug/L	1.00	05/14/2005 20:06	
Ethyl benzene	ND	0.50	ug/L	1.00	05/14/2005 20:06	
Xylene(s)	ND	0.50	ug/L	1.00	05/14/2005 20:06	
<b>Surrogate(s)</b>						
Trifluorotoluene	94.0	58-124	%	1.00	05/14/2005 20:06	
4-Bromofluorobenzene-FID	87.9	50-150	%	1.00	05/14/2005 20:06	

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Received: 05/09/2005 10:50

Conoco Phillips # 0140

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-7	Lab ID:	2005-05-0261 - 4
Sampled:	05/02/2005 14:33	Extracted:	5/14/2005 21:46
Matrix:	Water	QC Batch#:	2005/05/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/14/2005 21:46	
Benzene	ND	0.50	ug/L	1.00	05/14/2005 21:46	
Toluene	ND	0.50	ug/L	1.00	05/14/2005 21:46	
Ethyl benzene	ND	0.50	ug/L	1.00	05/14/2005 21:46	
Xylene(s)	ND	0.50	ug/L	1.00	05/14/2005 21:46	
<b>Surrogate(s)</b>						
Trifluorotoluene	94.3	58-124	%	1.00	05/14/2005 21:46	
4-Bromofluorobenzene-FID	90.9	50-150	%	1.00	05/14/2005 21:46	

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	EC-4	Lab ID:	2005-05-0261 - 5
Sampled:	05/02/2005 15:00	Extracted:	5/14/2005 22:20
Matrix:	Water	QC Batch#:	2005/05/14-01-05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/14/2005 22:20	
Benzene	ND	0.50	ug/L	1.00	05/14/2005 22:20	
Toluene	ND	0.50	ug/L	1.00	05/14/2005 22:20	
Ethyl benzene	ND	0.50	ug/L	1.00	05/14/2005 22:20	
Xylene(s)	ND	0.50	ug/L	1.00	05/14/2005 22:20	
<b>Surrogate(s)</b>						
Trifluorotoluene	96.2	58-124	%	1.00	05/14/2005 22:20	
4-Bromofluorobenzene-FID	93.4	50-150	%	1.00	05/14/2005 22:20	

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Received: 05/09/2005 10:50

Conoco Phillips # 0140

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	EC-1	Lab ID:	2005-05-0261-6
Sampled:	05/02/2005 15:13	Extracted:	5/14/2005 22:53
Matrix:	Water	QC Batch#:	2005/05/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/14/2005 22:53	
Benzene	ND	0.50	ug/L	1.00	05/14/2005 22:53	
Toluene	ND	0.50	ug/L	1.00	05/14/2005 22:53	
Ethyl benzene	ND	0.50	ug/L	1.00	05/14/2005 22:53	
Xylene(s)	ND	0.50	ug/L	1.00	05/14/2005 22:53	
<b>Surrogate(s)</b>						
Trifluorotoluene	97.1	58-124	%	1.00	05/14/2005 22:53	
4-Bromofluorobenzene-FID	93.1	50-150	%	1.00	05/14/2005 22:53	

**Gas/BTEX Compounds by 8015M/8021**

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	EC-2	Lab ID:	2005-05-0261 - 7
Sampled:	05/02/2005 15:20	Extracted:	5/14/2005 23:26
Matrix:	Water	QC Batch#:	2005/05/14-01-05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/14/2005 23:26	
Benzene	ND	0.50	ug/L	1.00	05/14/2005 23:26	
Toluene	ND	0.50	ug/L	1.00	05/14/2005 23:26	
Ethyl benzene	ND	0.50	ug/L	1.00	05/14/2005 23:26	
Xylene(s)	ND	0.50	ug/L	1.00	05/14/2005 23:26	
<b>Surrogate(s)</b>						
Trifluorotoluene	92.4	58-124	%	1.00	05/14/2005 23:26	
4-Bromofluorobenzene-FID	92.6	50-150	%	1.00	05/14/2005 23:26	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-6	Lab ID:	2005-05-0261 - 8
Sampled:	05/02/2005 14:55	Extracted:	5/15/2005 00:00
Matrix:	Water	QC Batch#:	2005/05/14-01-05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/15/2005	
Benzene	ND	0.50	ug/L	1.00	05/15/2005	
Toluene	ND	0.50	ug/L	1.00	05/15/2005	
Ethyl benzene	ND	0.50	ug/L	1.00	05/15/2005	
Xylene(s)	ND	0.50	ug/L	1.00	05/15/2005	
<b>Surrogate(s)</b>						
Trifluorotoluene	97.9	58-124	%	1.00	05/15/2005	
4-Bromofluorobenzene-FID	91.5	50-150	%	1.00	05/15/2005	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-5	Lab ID:	2005-05-0261-9
Sampled:	05/02/2005 13:30	Extracted:	5/15/2005 00:33
Matrix:	Water	QC Batch#:	2005/05/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/15/2005 00:33	
Benzene	ND	0.50	ug/L	1.00	05/15/2005 00:33	
Toluene	ND	0.50	ug/L	1.00	05/15/2005 00:33	
Ethyl benzene	ND	0.50	ug/L	1.00	05/15/2005 00:33	
Xylene(s)	ND	0.50	ug/L	1.00	05/15/2005 00:33	
<b>Surrogate(s)</b>						
Trifluorotoluene	97.0	58-124	%	1.00	05/15/2005 00:33	
4-Bromofluorobenzene-FID	90.9	50-150	%	1.00	05/15/2005 00:33	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20

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Conoco Phillips # 0140

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-4	Lab ID:	2005-05-0261-10
Sampled:	05/02/2005 13:57	Extracted:	5/15/2005 01:07
Matrix:	Water	QC Batch#:	2005/05/14-01-05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/15/2005 01:07	
Benzene	ND	0.50	ug/L	1.00	05/15/2005 01:07	
Toluene	ND	0.50	ug/L	1.00	05/15/2005 01:07	
Ethyl benzene	ND	0.50	ug/L	1.00	05/15/2005 01:07	
Xylene(s)	ND	0.50	ug/L	1.00	05/15/2005 01:07	
<b>Surrogate(s)</b>						
Trifluorotoluene	95.7	58-124	%	1.00	05/15/2005 01:07	
4-Bromofluorobenzene-FID	95.6	50-150	%	1.00	05/15/2005 01:07	

## Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20

Received: 05/09/2005 10:50

Conoco Phillips # 0140

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030	Test(s):	8015M
	5030		8021B
Sample ID:	MW-3	Lab ID:	2005-05-0261 - 11
Sampled:	05/02/2005 14:31	Extracted:	5/15/2005 01:40
Matrix:	Water	QC Batch#:	2005/05/14-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/15/2005 01:40	
Benzene	0.94	0.50	ug/L	1.00	05/15/2005 01:40	
Toluene	ND	0.50	ug/L	1.00	05/15/2005 01:40	
Ethyl benzene	ND	0.50	ug/L	1.00	05/15/2005 01:40	
Xylene(s)	ND	0.50	ug/L	1.00	05/15/2005 01:40	
<i>Surrogate(s)</i>						
Trifluorotoluene	95.7	58-124	%	1.00	05/15/2005 01:40	
4-Bromofluorobenzene-FID	93.6	50-150	%	1.00	05/15/2005 01:40	

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Batch QC Report						
Prep(s):	5030			Test(s):	8015M	
	5030				8021B	
<b>Method Blank</b>		<b>Water</b>		<b>QC Batch # 2005/05/14-01.05</b>		
MB: 2005/05/14-01.05-001				Date Extracted: 05/14/2005 14:03		
Compound	Conc.	RL	Unit	Analyzed	Flag	
GRO (C6-C12)	ND	50	ug/L	05/14/2005 14:03		
Benzene	ND	0.5	ug/L	05/14/2005 14:03		
Toluene	ND	0.5	ug/L	05/14/2005 14:03		
Ethyl benzene	ND	0.5	ug/L	05/14/2005 14:03		
Xylene(s)	ND	0.5	ug/L	05/14/2005 14:03		
<b>Surrogates(s)</b>						
Trifluorotoluene	99.2	58-124	%	05/14/2005 14:03		
4-Bromofluorobenzene-FID	93.8	50-150	%	05/14/2005 14:03		

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

**Batch QC Report**

Prep(s): 5030

Test(s), 8021B

**Laboratory Control Spike****Water****QC Batch # 2005/05/14-01-05**

LCS 2005/05/14-01-05-002

Extracted: 05/14/2005

Analyzed: 05/14/2005 14:37

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	41.8		50.0	83.6			77-123	20		
Toluene	44.3		50.0	88.6			78-122	20		
Ethyl benzene	43.9		50.0	87.8			70-130	20		
Xylene(s)	134		150	89.3			75-125	20		
<b>Surrogates(s)</b>										
Trifluorotoluene	515		500	103.0			58-124	20		

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

**Batch QC Report**

Prep(s): 5030

Test(s): 8015M

**Laboratory Control Spike****Water****QC Batch # 2005/05/14-01.05**

LCS 2005/05/14-01.05-003

Extracted: 05/14/2005

Analyzed: 05/14/2005 15:10

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
GRO (C6-C12)	201		250	80.4			75-125	20		
<b>Surrogates(s)</b> 4-Bromofluorobenzene-FID	504		500	100.8			50-150			

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
 Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

**Batch QC Report**

Prep(s): 5030	Test(s): 8021B
<b>Matrix Spike ( MS / MSD )</b>	
MW-1 >> MS	Water
MS: 2005/05/14-01.05-006	Extracted: 05/14/2005
MSD: 2005/05/14-01.05-007	Extracted: 05/14/2005
<b>QC Batch # 2005/05/14-01-05</b>	
	Lab ID: 2005-05-0261 - 001
	Analyzed: 05/14/2005 17:52
	Dilution: 1.00
	Analyzed: 05/14/2005 18:26
	Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	47.7	46.3	ND	50.0	95.4	92.6	3.0	65-135	20		
Toluene	51.0	48.6	ND	50.0	102.0	97.2	4.8	65-135	20		
Ethyl benzene	52.5	49.8	ND	50.0	105.0	99.6	5.3	65-135	20		
Xylene(s)	159	151	ND	150	106.0	100.7	5.1	65-135	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	542	521		500	108.4	104.2		58-124			

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

**Batch QC Report**

Prep(s): 5030	Test(s): 8015M
<b>Matrix Spike ( MS / MSD )</b>	
MW-2 >> MS	Water
MS: 2005/05/14-01.05-008	Extracted: 05/14/2005
MSD: 2005/05/14-01.05-009	Extracted: 05/14/2005
<b>QC Batch # 2005/05/14-01.05</b>	
	Lab ID: 2005-05-0261 - 002
	Analyzed: 05/14/2005 18:59
	Dilution: 1.00
	Analyzed: 05/14/2005 19:33
	Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
GRO (C6-C12)	217	224	84.7	250	52.9	55.7	5.2	65-135	20	M5	M5
<b>Surrogate(s)</b>											
4-Bromofluorobenzene-FID	501	505		500	100.2	101.0		50-150			

**Gas/BTEX Compounds by 8015M/8021**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

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**Legend and Notes**

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**Result Flag**

M5

MS/MSD spike recoveries were below acceptance limits.  
See blank spike (LCS).

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/02/2005 13:05	Water	1
MW-2	05/02/2005 13:36	Water	2
MW-8	05/02/2005 14:05	Water	3
MW-7	05/02/2005 14:33	Water	4
EC-4	05/02/2005 15:00	Water	5
EC-1	05/02/2005 15:13	Water	6
EC-2	05/02/2005 15:20	Water	7
MW-6	05/02/2005 14:55	Water	8
MW-5	05/02/2005 13:30	Water	9
MW-4	05/02/2005 13:57	Water	10
MW-3	05/02/2005 14:31	Water	11

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-1	Lab ID:	2005-05-0261 - 1
Sampled:	05/02/2005 13:05	Extracted:	5/14/2005 11:48
Matrix:	Water	QC Batch#:	2005/05/14-1B.64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 11:48	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/14/2005 11:48	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 11:48	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 11:48	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 11:48	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	111.4	73-130	%	1.00	05/14/2005 11:48	
Toluene-d8	103.1	81-114	%	1.00	05/14/2005 11:48	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>MW-2</b>	Lab ID:	2005-05-0261 - 2
Sampled:	05/02/2005 13:36	Extracted:	5/14/2005 12:11
Matrix:	Water	QC Batch#:	2005/05/14-1B-64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 12:11	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/14/2005 12:11	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 12:11	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 12:11	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 12:11	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	115.9	73-130	%	1.00	05/14/2005 12:11	
Toluene-d8	107.3	81-114	%	1.00	05/14/2005 12:11	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-8	Lab ID:	2005-05-0261 - 3
Sampled:	05/02/2005 14:05	Extracted:	5/14/2005 12:33
Matrix:	Water	QC Batch#:	2005/05/14-1B.64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 12:33	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/14/2005 12:33	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 12:33	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 12:33	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 12:33	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	113.5	73-130	%	1.00	05/14/2005 12:33	
Toluene-d8	101.8	81-114	%	1.00	05/14/2005 12:33	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-7	Lab ID:	2005-05-0261 - 4
Sampled:	05/02/2005 14:33	Extracted:	5/14/2005 12:56
Matrix:	Water	QC Batch#:	2005/05/14-1B.64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 12:56	
Methyl tert-butyl ether (MTBE)	0.54	0.50	ug/L	1.00	05/14/2005 12:56	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 12:56	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 12:56	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 12:56	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	114.4	73-130	%	1.00	05/14/2005 12:56	
Toluene-d8	103.1	81-114	%	1.00	05/14/2005 12:56	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EC-4	Lab ID:	2005-05-0261 - 5
Sampled:	05/02/2005 15:00	Extracted:	5/14/2005 13:18
Matrix:	Water	QC Batch#:	2005/05/14-1B-64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 13:18	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/14/2005 13:18	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 13:18	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 13:18	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 13:18	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	116.0	73-130	%	1.00	05/14/2005 13:18	
Toluene-d8	101.7	81-114	%	1.00	05/14/2005 13:18	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EC-1	Lab ID:	2005-05-0261 - 6
Sampled:	05/02/2005 15:13	Extracted:	5/14/2005 13:41
Matrix:	Water	QC Batch#:	2005/05/14-1B-64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 13:41	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/14/2005 13:41	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 13:41	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 13:41	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 13:41	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	114.3	73-130	%	1.00	05/14/2005 13:41	
Toluene-d8	102.7	81-114	%	1.00	05/14/2005 13:41	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive  
Irvine, CA 92718  
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EC-2	Lab ID:	2005-05-0261 - 7
Sampled:	05/02/2005 15:20	Extracted:	5/14/2005 14:03
Matrix:	Water	QC Batch#:	2005/05/14-1B.64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 14:03	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/14/2005 14:03	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 14:03	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 14:03	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 14:03	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	114.1	73-130	%	1.00	05/14/2005 14:03	
Toluene-d8	103.8	81-114	%	1.00	05/14/2005 14:03	

**Gas/BTEX Fuel Oxygenates by 8260B**

TRC Alton Geoscience- Irvine

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Crescent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>MW-6</b>	Lab ID:	2005-05-0261 - 8
Sampled:	05/02/2005 14:55	Extracted:	5/14/2005 14:26
Matrix:	Water	QC Batch#:	2005/05/14-1B.64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 14:26	
Methyl tert-butyl ether (MTBE)	1.1	0.50	ug/L	1.00	05/14/2005 14:26	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 14:26	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 14:26	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 14:26	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	114.1	73-130	%	1.00	05/14/2005 14:26	
Toluene-d8	105.5	81-114	%	1.00	05/14/2005 14:26	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-5	Lab ID:	2005-05-0261 - 9
Sampled:	05/02/2005 13:30	Extracted:	5/14/2005 14:49
Matrix:	Water	QC Batch#:	2005/05/14-1B.64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 14:49	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/14/2005 14:49	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 14:49	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 14:49	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 14:49	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	115.4	73-130	%	1.00	05/14/2005 14:49	
Toluene-d8	106.0	81-114	%	1.00	05/14/2005 14:49	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-4	Lab ID:	2005-05-0261 - 10
Sampled:	05/02/2005 13:57	Extracted:	5/14/2005 15:11
Matrix:	Water	QC Batch#:	2005/05/14-1B-64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 15:11	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/14/2005 15:11	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 15:11	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 15:11	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 15:11	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	116.9	73-130	%	1.00	05/14/2005 15:11	
Toluene-d8	101.7	81-114	%	1.00	05/14/2005 15:11	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2005-05-0261 - 11
Sampled:	05/02/2005 14:31	Extracted:	5/14/2005 15:34
Matrix:	Water	QC Batch#:	2005/05/14-1B.64
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/14/2005 15:34	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/14/2005 15:34	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	05/14/2005 15:34	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	05/14/2005 15:34	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	05/14/2005 15:34	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	114.5	73-130	%	1.00	05/14/2005 15:34	
Toluene-d8	103.3	81-114	%	1.00	05/14/2005 15:34	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
<b>Method Blank</b>		<b>Water</b>		<b>QC Batch # 2005/05/14-1B.64</b>	
MB: 2005/05/14-1B.64-020				Date Extracted: 05/14/2005 08:20	

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	05/14/2005 08:20	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/14/2005 08:20	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	05/14/2005 08:20	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	05/14/2005 08:20	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	05/14/2005 08:20	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	108.6	73-130	%	05/14/2005 08:20	
Toluene-d8	101.6	81-114	%	05/14/2005 08:20	

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2005/05/14-1B.64**

LCS 2005/05/14-1B.64-058

Extracted: 05/14/2005

Analyzed: 05/14/2005 07:58

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.8		25	99.2			65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	513		500	102.6			73-130			
Toluene-d8	524		500	104.8			81-114			

**Gas/BTEX Fuel Oxygenates by 8260B**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )****Water****QC Batch # 2005/05/14-1B.64**

MS/MSD

Lab ID: 2005-05-0172 -002

MS: 2005/05/14-1B.64-040

Extracted: 05/14/2005

Analyzed: 05/14/2005 10:40

MSD: 2005/05/14-1B.64-003

Extracted: 05/14/2005

Analyzed: 05/14/2005 11:03

Dilution: 1.00

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	23.2	27.3	0.907	25	89.2	109.2	20.2	65-165	20		R4
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	558	546		500	111.7	109.2		73-130			
Toluene-d8	502	510		500	100.4	102.0		81-114			

**Diesel (C9-C24) with Silica Gel Clean-up**

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Project: 41050001FA20

Received: 05/09/2005 10:50

Conoco Phillips # 0140

Site: 255 State Highway 101 South Cresent City

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/02/2005 13:05	Water	1
MW-2	05/02/2005 13:36	Water	2
MW-8	05/02/2005 14:05	Water	3
MW-7	05/02/2005 14:33	Water	4
EC-4	05/02/2005 15:00	Water	5
EC-1	05/02/2005 15:13	Water	6
EC-2	05/02/2005 15:20	Water	7
MW-6	05/02/2005 14:55	Water	8
MW-5	05/02/2005 13:30	Water	9
MW-4	05/02/2005 13:57	Water	10
MW-3	05/02/2005 14:31	Water	11

**Diesel (C9-C24) with Silica Gel Clean-up**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	MW-1	Lab ID:	2005-05-0261 - 1
Sampled:	05/02/2005 13:05	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04-10
Compound		Conc.	RL
Diesel		ND	50
<b>Surrogate(s)</b>		110.9	60-130
o-Terphenyl		%	1.00
			05/19/2005 21:33
			05/19/2005 21:33
			Flag

**Diesel (C9-C24) with Silica Gel Clean-up**

TRC Alton Geoscience- Irvine

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Irvine, CA 92718  
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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	<b>MW-2</b>	Lab ID:	2005-05-0261 - 2
Sampled:	05/02/2005 13:36	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	320	50	ug/L	1.00	05/19/2005 20:00	Q2
<b>Surrogate(s)</b> o-Terphenyl	116.5	60-130	%	1.00	05/19/2005 20:00	

**Diesel (C9-C24) with Silica Gel Clean-up**

TRC Alton Geoscience- Irvine

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	MW-8	Lab ID:	2005-05-0261 - 3
Sampled:	05/02/2005 14:05	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04-10
Compound		Conc.	RL
Diesel		ND	50
<b>Surrogate(s)</b>			
o-Terphenyl	115.6	60-130	%
Dilution			Analyzed
1.00			05/19/2005 22:27
1.00			05/19/2005 22:27
Flag			

**Diesel (C9-C24) with Silica Gel Clean-up**

TRC Alton Geoscience- Irvine  
Attn.: Anju Farfan

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	MW-7	Lab ID:	2005-05-0261 - 4
Sampled:	05/02/2005 14:33	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04-10
Compound	Conc.	RL	Unit
Diesel	140	50	ug/L
<b>Surrogate(s)</b>			
o-Terphenyl	109.5	60-130	%
		1.00	05/19/2005 22:54
		1.00	05/19/2005 22:54

**Diesel (C9-C24) with Silica Gel Clean-up**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	EC-4	Lab ID:	2005-05-0261 - 5
Sampled:	05/02/2005 15:00	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04-10
Compound		Conc.	RL
Diesel		ND	50
<b>Surrogate(s)</b>			
o-Terphenyl		114.7	60-130
Unit		Dilution	Analyzed
	ug/L	1.00	05/19/2005 23:21
Flag			

**Diesel (C9-C24) with Silica Gel Clean-up**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	EC-1	Lab ID:	2005-05-0261 - 6
Sampled:	05/02/2005 15:13	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04-10
Compound		Conc.	RL
Diesel		ND	50
<b>Surrogate(s)</b>			ug/L
o-Terphenyl		107.9	60-130
		%	
		1.00	05/19/2005 23:48

**Diesel (C9-C24) with Silica Gel Clean-up**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	EC-2	Lab ID:	2005-05-0261 - 7
Sampled:	05/02/2005 15:20	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	05/20/2005 00:15	
<b>Surrogate(s)</b> o-Terphenyl	111.4	60-130	%	1.00	05/20/2005 00:15	

**Diesel (C9-C24) with Silica Gel Clean-up**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	<b>MW-6</b>	Lab ID:	2005-05-0261 - 8
Sampled:	05/02/2005 14:55	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	580	50	ug/L	1.00	05/20/2005 00:42	Q2
<b>Surrogate(s)</b> o-Terphenyl	117.3	60-130	%	1.00	05/20/2005 00:42	

**Diesel (C9-C24) with Silica Gel Clean-up**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	MW-5	Lab ID:	2005-05-0261 - 9
Sampled:	05/02/2005 13:30	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	620	50	ug/L	1.00	05/20/2005 02:03	Q2
<b>Surrogate(s)</b> o-Terphenyl	117.7	60-130	%	1.00	05/20/2005 02:03	

**Diesel (C9-C24) with Silica Gel Clean-up**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	MW-4	Lab ID:	2005-05-0261 - 10
Sampled:	05/02/2005 13:57	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04:10
Compound		Conc.	RL
Diesel		900	50
<b>Surrogate(s)</b>			
o-Terphenyl		127.8	60-130
Unit		Dilution	Analyzed
	ug/L	1.00	05/20/2005 02:30
Flag			
			Q2

**Diesel (C9-C24) with Silica Gel Clean-up**

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Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Prep(s):	3511	Test(s):	8015M
Sample ID:	MW-3	Lab ID:	2005-05-0261 - 11
Sampled:	05/02/2005 14:31	Extracted:	5/13/2005 12:22
Matrix:	Water	QC Batch#:	2005/05/13-04-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	840	50	ug/L	1.00	05/20/2005 02:57	Q2
<b>Surrogate(s)</b> o-Terphenyl	122.3	60-130	%	1.00	05/20/2005 02:57	

**Diesel (C9-C24) with Silica Gel Clean-up**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

**Batch QC Report**

Prep(s): 3511	Test(s): 8015M
<b>Method Blank</b>	<b>Water</b>
MB: 2005/05/13-04:10-001	QC Batch #: 2005/05/13-04:10 Date Extracted: 05/13/2005 12:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	05/18/2005 07:29	
<b>Surrogates(s)</b> o-Terphenyl	110.2	60-130	%	05/18/2005 07:29	

**Diesel (C9-C24) with Silica Gel Clean-up**

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Project: 41050001FA20  
Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

Batch QC Report											
Prep(s): 3511									Test(s): 8015M		
<b>Laboratory Control Spike</b>			<b>Water</b>				<b>QC Batch # 2005/05/13-04.10</b>				
LCS	2005/05/13-04.10-002				Extracted: 05/13/2005		Analyzed: 05/18/2005 07:56				
LCSD	2005/05/13-04.10-003				Extracted: 05/13/2005		Analyzed: 05/18/2005 08:23				
Compound	Conc. ug/L		Exp.Conc.		Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD			LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	512	499	680	75.3	73.4	2.6	60-150	25			
<b>Surrogates(s)</b>											
o-Terphenyl	1.25	1.21	1.25	99.7	96.7		60-130	0			

**Diesel (C9-C24) with Silica Gel Clean-up**

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive

Irvine, CA 92718

Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20

Conoco Phillips # 0140

Received: 05/09/2005 10:50

Site: 255 State Highway 101 South Cresent City

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**Legend and Notes**

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**Result Flag**

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

## STL San Francisco

## ConocoPhillips Chain Of Custody Record

1210 Quarry Lane

Pleasanton, CA 94566

(408) 484-1918 (925) 484-1096 fax

**ConocoPhillips Site Manager:**  
INVOICE REMITTANCE ADDRESS:  
**CONOCOPHILLIPS**  
Attn: Dick Hutchinson  
3611 South Harbor, Suite 200  
Santa Ana, CA 92704

**2003-05-02-01**Attn: Dick Hutchinson  
3611 South Harbor, Suite 200  
Santa Ana, CA 92704

ConocoPhillips Work Order Number:  
**0923TR0501**  
DATE: **05-02-05**

ConocoPhillips Custodian:  
PAGE: **1** of **2**

TRC

Name: 2

21 Technology Drive, Irvine CA 92618

Project contract number or DDF Serial #:

Ann Farfan

TELEPHONE:

FAX:

EMAIL:

CONTRACTING PROJECT NUMBER:  
**41056003/PA20**CONCENTRATION OR CONCEN.  
**TPHd Extractable**

6260B - TPHg/BTEX/MTBE

6260B - TPHg / BTEX / 8 Oxygenates

6260B - TPHg / BTEX / 8 oxygenates  
+ methanol (6015M)6260B - Full-Scan VOCs (does not  
include oxygenates)

6270C - Semi-Volatiles

6015M / 6021B - TPHg/BTEX/MTBE

Lead:  Total  STLC  CTCLP

X TPHd w/ 6015M by 6015M

TPHg by 6015M

BTEX by 6021

SOXys by 6260

## REQUESTED ANALYSES

FIELD NOTES:  
Containment/Preservation  
or PDI Readings  
or Laboratory Notes

TEMPERATURE OR PRESSURE:  
**5**

CONTAINMENT/PRESERVATION,  
OR PDI READINGS,  
OR LABORATORY NOTES

Turnaround time calendar days:  
 1 DAY  2 DAYS  3 DAYS  4 DAYS  5 DAYS

SPECIAL INSTRUCTIONS OR NOTES:  
CHECK BOX IF GRID IS NEEDED:

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **MW-1**

SAMPLING:  
DATE: **5-2** TIME: **1336** NO. OF CNT: **12**

REMARKS:  
MW-1

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **MW-B**

SAMPLING:  
DATE: **5-2** TIME: **1445** NO. OF CNT: **12**

REMARKS:  
MW-B

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **MW-7**

SAMPLING:  
DATE: **5-2** TIME: **1533** NO. OF CNT: **12**

REMARKS:  
MW-7

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **E-C-4**

SAMPLING:  
DATE: **5-2** TIME: **1500** NO. OF CNT: **12**

REMARKS:  
E-C-4

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **E-C-1**

SAMPLING:  
DATE: **5-2** TIME: **1518** NO. OF CNT: **12**

REMARKS:  
E-C-1

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **E-C-2**

SAMPLING:  
DATE: **5-2** TIME: **1520** NO. OF CNT: **12**

REMARKS:  
E-C-2

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-1**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-1

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-2**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-2

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-3**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-3

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-4**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-4

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-5**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-5

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-6**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-6

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-7**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-7

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-8**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-8

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-9**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-9

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-10**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-10

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-11**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-11

Field Point name only required if different from Sample ID

Sample Identification/Field Point:  
NAME: **SW-12**

SAMPLING:  
DATE: **5-2** TIME: **1530** NO. OF CNT: **12**

REMARKS:  
SW-12

RECORDED BY: **John L. Cooley**

Conoco Phillips Chain Of Custody Record

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## **STATEMENTS**

### **Purge Water Disposal**

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums for transportation and disposal by Filter Recycling, Inc.

### **Limitations**

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.